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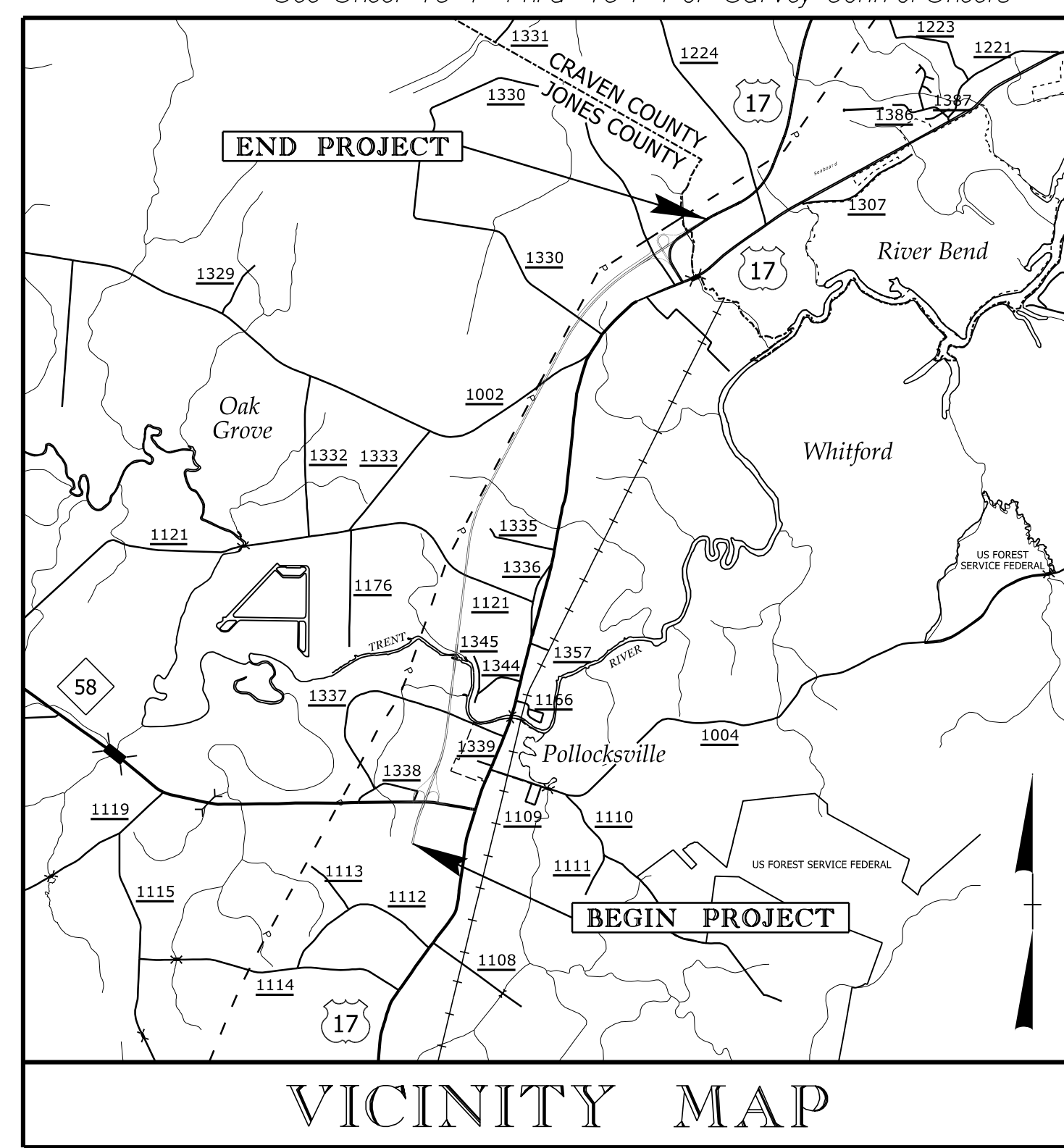
**This file or an individual page
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09_08/09
 4/2/2015
 M:\Projects\2013\13111_Utility_Coordinate\101\01\2514D\Utilities\Rdy_Ut_Proj\2514D_ut_tsh_U01.psh.dgn

TIP PROJECT: R-2514D

CONTRACT: C203592

See Sheet 1A For Index of Sheets
 See Sheet 1B For Conventional Symbols
 See Sheet 1C-1 Thru 1C-7 For Survey Control Sheets



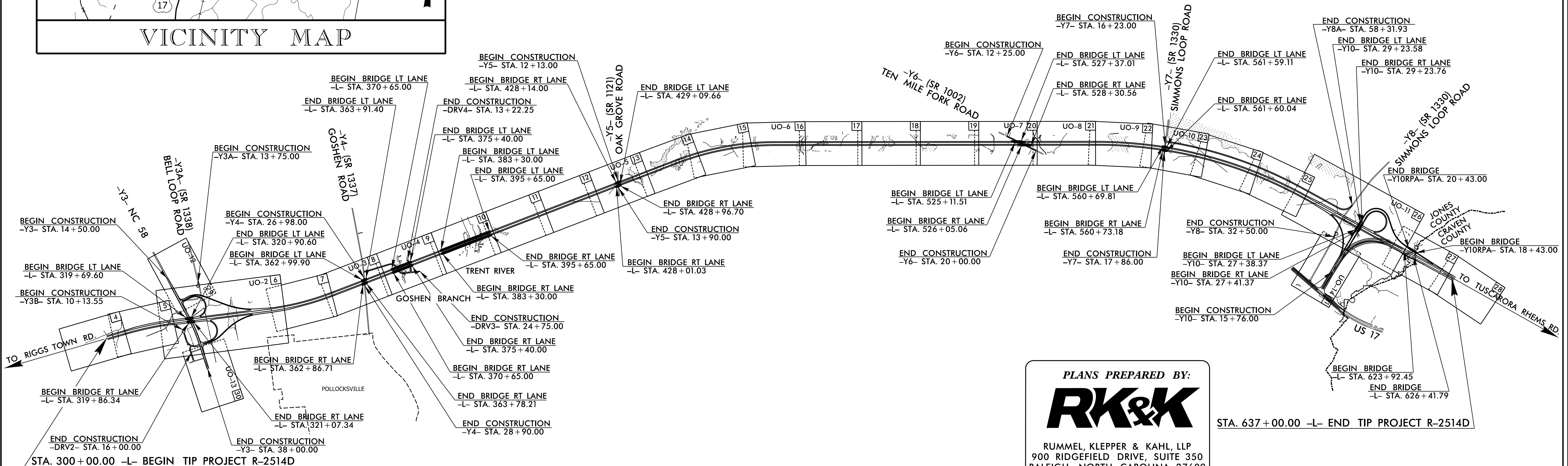
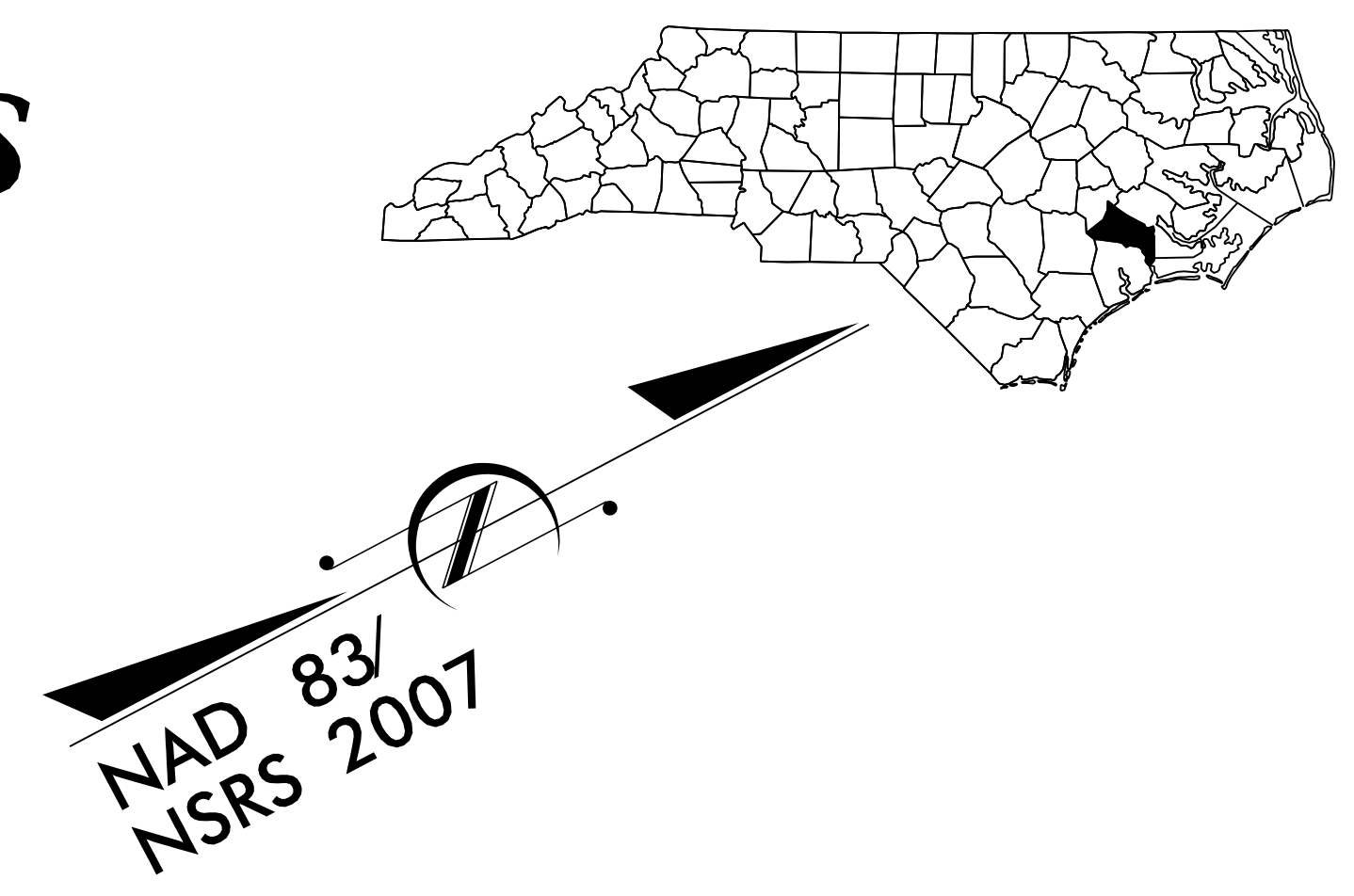
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

**UTILITIES BY OTHERS PLANS
 JONES & CRAVEN
 COUNTY**

**LOCATION: US 17 FROM SOUTH OF NC 58
 TO THE NEW BERN BYPASS**

**TYPE OF WORK: AERIAL POWER, UNDERGROUND FIBER OPTIC,
 TELEPHONE, CATV, SANITARY SEWER AND WATER**

T.I.P. NO.	SHEET NO.
R-2514D	UO-1

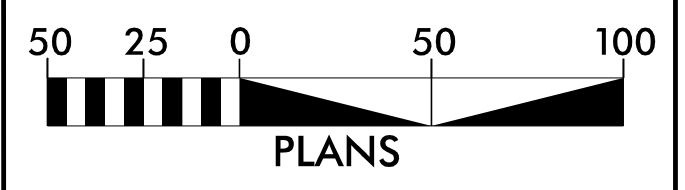


THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.
 THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.
 CLEARING ON THIS PROJECT SHALL BE PERFORMED TO LIMITS ESTABLISHED BY METHOD III.

PLANS PREPARED BY:

 RUMMEL, KLEPPER & KAHL, LLP
 900 RIDGEFIELD DRIVE, SUITE 350
 RALEIGH, NORTH CAROLINA 27609
 NC LICENSE NO. F-0112
 1-888-521-4455 OR 919-878-9560

GRAPHIC SCALES

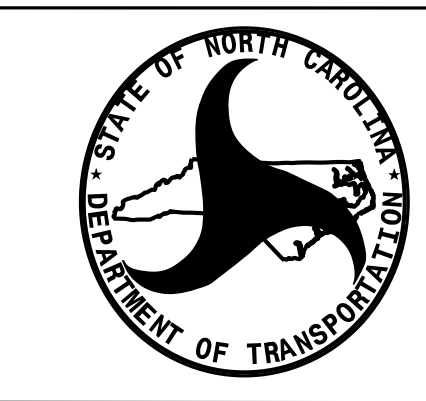


INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2 THRU UO-14	UTILITY BY OTHERS PLAN SHEETS

UTILITY OWNERS ON PROJECT

- DUKE ENERGY PROGRESS - POWER (DISTRIBUTION)
- DUKE ENERGY PROGRESS - POWER (TRANSMISSION)
- JONES - ONSLOW EMC - POWER
- JONES COUNTY REGIONAL WATER SYSTEM - WATER
- TOWN OF POLLOCKSVILLE - WATER AND SEWER (SSFMS)
- TIME WARNER - CATV
- CENTURYLINK - TELEPHONE AND FIBER OPTIC.
- PIEDMONT NATURAL GAS - NATURAL GAS

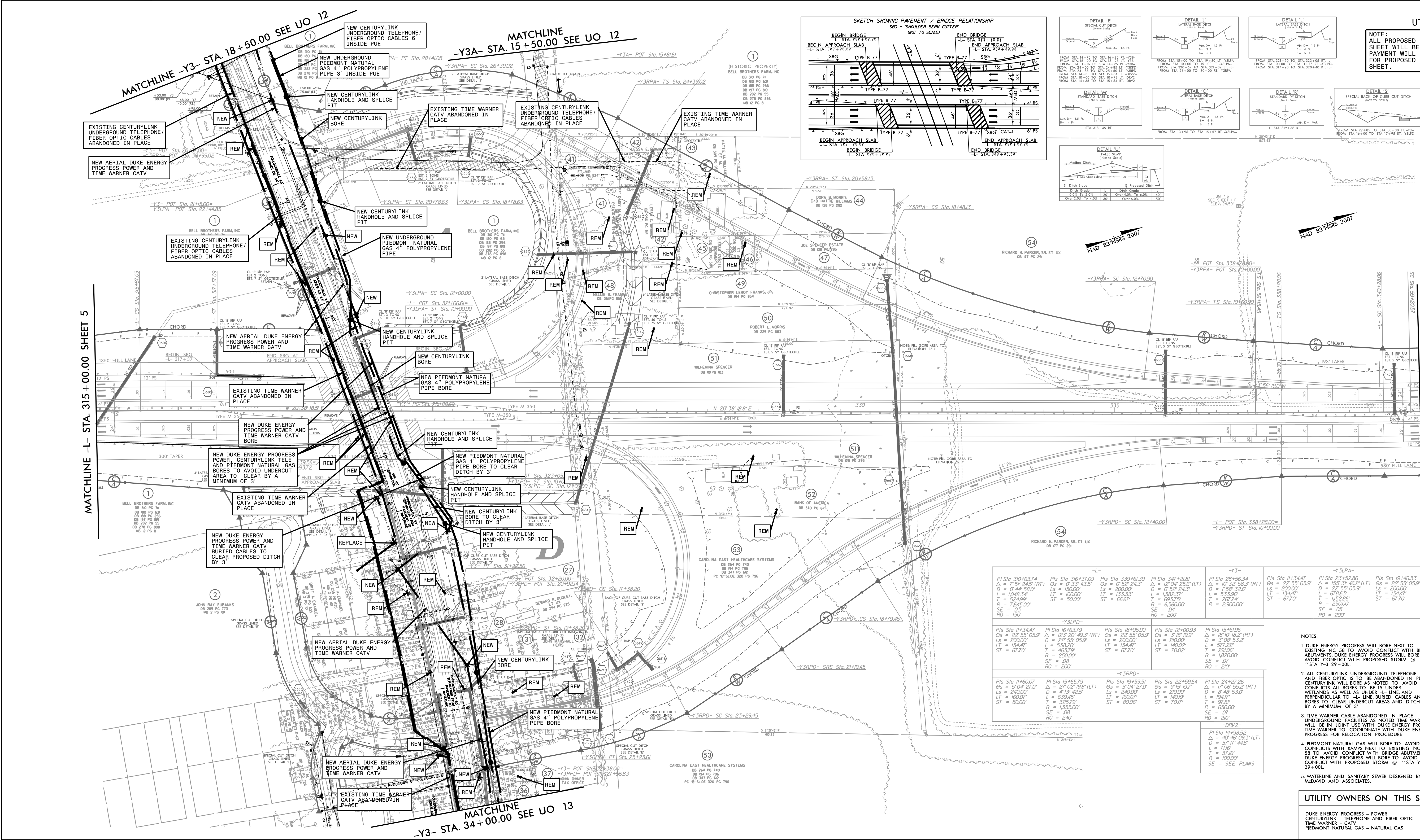
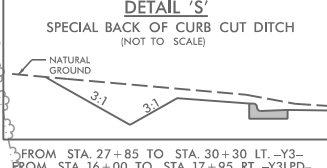
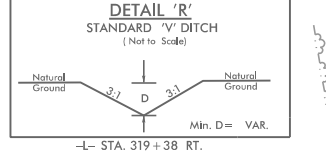
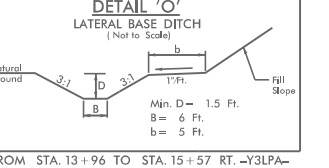
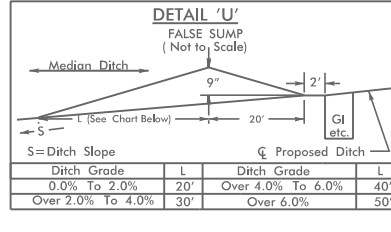
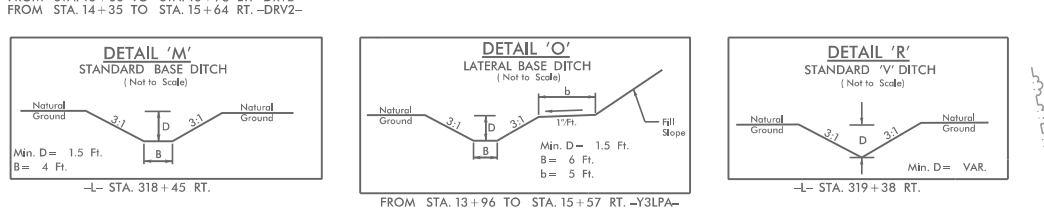
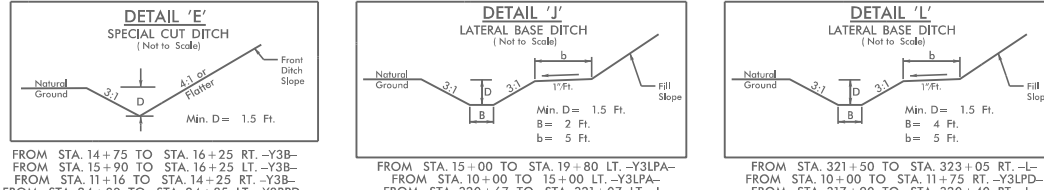
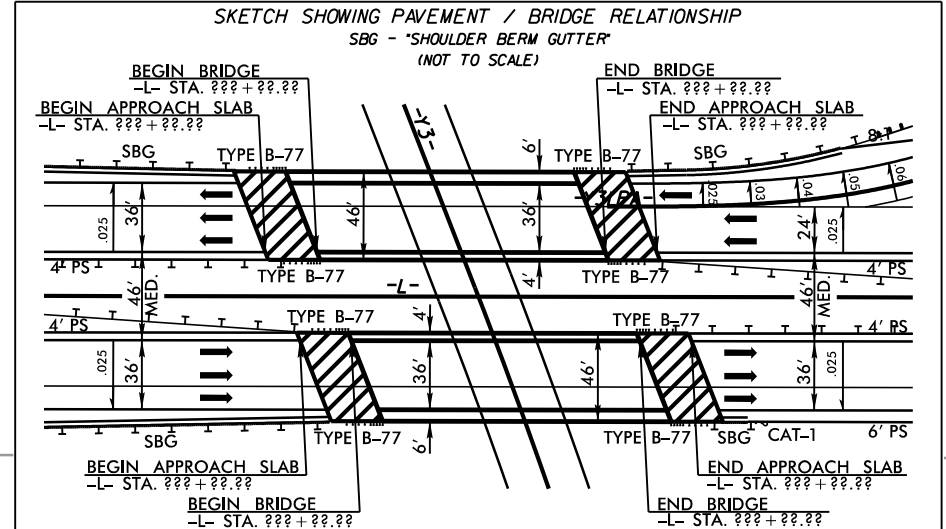
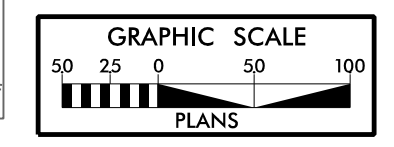


PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
 UTILITIES UNIT
 UTILITIES ENGINEERING**
 1591 MAIL SERVICES CENTER
 RALEIGH, NC 27699-1591
 PHONE (919) 707-6690
 FAX (919) 250-4151

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Roger Worthington, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Nabil Hamdan UTILITIES PROJECT DESIGNER

UTILITIES BY OTHERS

NOTE: ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.



-Y3-		-Y3PA-		-Y3PD-	
Pi Sta 310+63.74 Δ = 7° 51' 24.5" (RT) D = 0' 14" 50.0" L = 1048.34' T = 524.95' R = 7250.00' SE = 03 RO = 150	Pi Sta 316+37.09 Δ = 0° 33' 43.5" D = 1500.00' L = 1800.00' T = 500.00' R = 2500.00' SE = 08 RO = 200	Pi Sta 339+61.39 Δ = 12° 02' 24.3" D = 2000.00' L = 1333.33' T = 666.67' R = 6360.00' SE = 04 RO = 200	Pi Sta 347+20.81 Δ = 12° 04' 25.6" (LT) D = 0' 52' 24.3" L = 1382.37' T = 633.79' R = 6360.00' SE = 04 RO = 200	Pi Sta 28+56.34 Δ = 17° 32' 56.3" (RT) D = 1500.00' L = 533.96' T = 267.47' R = 2500.00' SE = 07 RO = 210	Pi Sta 11+34.47 Δ = 155° 31' 46.2" (LT) D = 22° 55' 05.9" L = 134.47' T = 67.20' R = 67.20' SE = 08 RO = 200
Pi Sta 11+34.47 Δ = 22° 55' 05.9" D = 2000.00' L = 134.47' T = 67.20' R = 67.20' SE = 08 RO = 200	Pi Sta 15+63.79 Δ = 27° 02' 19.8" (LT) D = 538.20' L = 633.79' T = 633.79' R = 2500.00' SE = 08 RO = 200	Pi Sta 18+05.90 Δ = 31° 04' 21.0" (RT) D = 2000.00' L = 538.20' T = 633.79' R = 2500.00' SE = 08 RO = 200	Pi Sta 12+00.93 Δ = 5° 18' 19.9" D = 1500.00' L = 140.02' T = 70.02' R = 70.02' SE = 07 RO = 210	Pi Sta 15+61.96 Δ = 16° 10' 18.2" (RT) D = 1708.532' L = 572.22' T = 290.86' R = 1820.00' SE = 07 RO = 210	Pi Sta 23+52.96 Δ = 22° 55' 05.9" D = 2000.00' L = 134.47' T = 67.20' R = 67.20' SE = 08 RO = 200
Pi Sta 11+60.07 Δ = 9° 04' 27.0" L = 240.07' L = 160.07' ST = 80.035'	Pi Sta 15+65.79 Δ = 41° 31' 45.5" D = 639.45' L = 325.79' ST = 1355.00'	Pi Sta 19+59.51 Δ = 31° 04' 21.0" (RT) D = 2000.00' L = 538.20' T = 633.79' R = 2500.00' SE = 08 RO = 200	Pi Sta 22+59.64 Δ = 9° 15' 03.7" D = 2000.00' L = 140.02' T = 70.02' R = 70.02' SE = 07 RO = 210	Pi Sta 24+27.26 Δ = 17° 08' 55.2" (RT) D = 57.62' L = 194.71' T = 97.81' R = 650.00' SE = 07 RO = 210	Pi Sta 14+98.52 Δ = 42° 46' 02.3" (LT) D = 57° 17' 44.8" L = 71.62' T = 37.16' R = 71.62' SE = SEE PLANS

- NOTES:
- DUKE ENERGY PROCESS WILL BORE NEXT TO EXISTING NC 88 TO AVOID CONFLICT WITH BRIDGE ABUTMENTS. DUKE ENERGY PROCESS WILL BORE TO AVOID CONFLICT WITH PROPOSED STORM @ STA Y-3 29+00.
 - ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDONED IN PLACE. CENTURYLINK WILL BORE AS NOTED TO AVOID CONFLICT ALL BORES TO BE 18" UNDER WETLANDS AS WELL AS UNDER ALL LINE AND PERPENDICULAR TO ALL LINE BURIED CABLES AND BORES TO CLEAR UNDERCUT AREAS AND DITCHES BY A MINIMUM OF 3'.
 - TIME WARNER CABLE ABANDONED IN PLACE UNDERGROUND FACILITIES AS NOTED. TIME WARNER WILL BE IN JOINT USE WITH DUKE ENERGY PROCESS TIME WARNER TO COORDINATE WITH DUKE ENERGY PROCESS FOR RELOCATION PROCEDURE.
 - FEDMONT NATURAL GAS WILL BORE TO AVOID CONFLICTS WITH RAMPS NEXT TO EXISTING NC 88 TO AVOID CONFLICT WITH BRIDGE ABUTMENTS. DUKE ENERGY PROCESS WILL BORE TO AVOID CONFLICT WITH PROPOSED STORM @ STA Y-3 29+00.
 - WATERLINE AND SANITARY SEWER DESIGNED BY McDAVID AND ASSOCIATES.

UTILITY OWNERS ON THIS SHEET

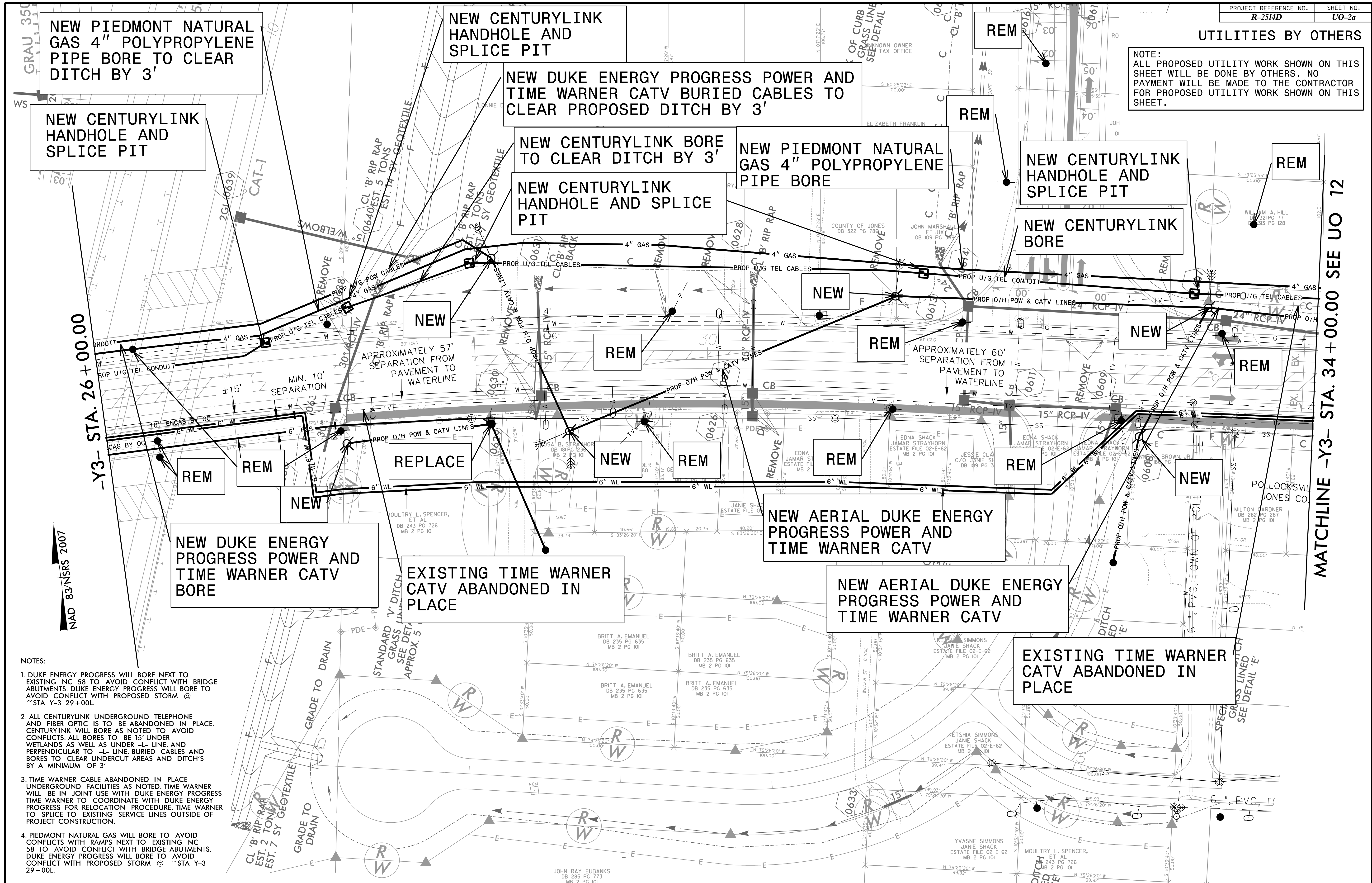
- DUKE ENERGY PROCESS - POWER
- CENTURYLINK - TELEPHONE AND FIBER OPTIC
- TIME WARNER - CATV
- FEDMONT NATURAL GAS - NATURAL GAS



HOWARD KLEPPER & DAVID LIP
900 RIDGEFIELD DRIVE SUITE 350
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NC LICENSE NO. P-0112 & P118 BTR-0560

UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.



- NOTES:
- DUKE ENERGY PROGRESS WILL BORE NEXT TO EXISTING NC 58 TO AVOID CONFLICT WITH BRIDGE ABUTMENTS. DUKE ENERGY PROGRESS WILL BORE TO AVOID CONFLICT WITH PROPOSED STORM @ STA Y-3 29+00L.
 - ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDONED IN PLACE. CENTURYLINK WILL BORE AS NOTED TO AVOID CONFLICTS. ALL BORES TO BE 15' UNDER WETLANDS AS WELL AS UNDER L-LINE AND PERPENDICULAR TO L-LINE. BURIED CABLES AND BORES TO CLEAR UNDERCUT AREAS AND DITCH'S BY A MINIMUM OF 3'.
 - TIME WARNER CABLE ABANDONED IN PLACE UNDERGROUND FACILITIES AS NOTED. TIME WARNER WILL BE IN JOINT USE WITH DUKE ENERGY PROGRESS TIME WARNER TO COORDINATE WITH DUKE ENERGY PROGRESS FOR RELOCATION PROCEDURE. TIME WARNER TO SPLICE TO EXISTING SERVICE LINES OUTSIDE OF PROJECT CONSTRUCTION.
 - PIEDMONT NATURAL GAS WILL BORE TO AVOID CONFLICTS WITH RAMP NEXT TO EXISTING NC 58 TO AVOID CONFLICT WITH BRIDGE ABUTMENTS. DUKE ENERGY PROGRESS WILL BORE TO AVOID CONFLICT WITH PROPOSED STORM @ STA Y-3 29+00L.

PLANS PREPARED BY:

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UTILITY OWNERS ON THIS SHEET

DUKE ENERGY PROGRESS - POWER
CENTURYLINK - TELEPHONE AND FIBER OPTIC
TIME WARNER - CATV
PIEDMONT NATURAL GAS - NATURAL GAS

MATCHLINE -Y3- STA. 34 + 00.00 SEE UO 12

UTILITY OWNERS ON THIS SHEET

DUKE ENERGY PROGRESS - POWER
CENTURYLINK - TELEPHONE AND FIBER OPTIC
TIME WARNER - CATV
JONES COUNTY REGIONAL WATER SYSTEMS - WATER

NOTES:

1. DUKE ENERGY PROGRESS WILL BORE NEXT TO EXISTING GOSHEN ROAD TO AVOID CONFLICT WITH BRIDGE ABUTMENTS.
2. ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDON IN PLACE. CENTURYLINK WILL BORE AS NOTED TO AVOID CONFLICTS. ALL CENTURYLINK RELOCATIONS ARE 2' INSIDE R/W AND/OR PUE UNLESS OTHERWISE NOTED. ALL BORES TO BE 15' UNDER WETLANDS AS WELL AS UNDER -L- LINE AND PERPENDICULAR TO -L- LINE. BURIED CABLES AND BORES TO CLEAR UNDERCUT AREAS AND DITCH'S BY A MINIMUM OF 3'.
3. TIME WARNER CABLE ABANDONED IN PLACE UNDERGROUND FACILITIES AS NOTED. TIME WARNER WILL BE IN JOINT USE WITH DUKE ENERGY PROGRESS TIME WARNER TO COORDINATE WITH DUKE ENERGY PROGRESS FOR RELOCATION PROCEDURE. TIME WARNER TO SPLICE TO EXISTING SERVICE LINES OUTSIDE OF PROJECT CONSTRUCTION.
4. WATERLINE AND SANITARY SEWER DESIGNED BY McDAVID AND ASSOCIATES.

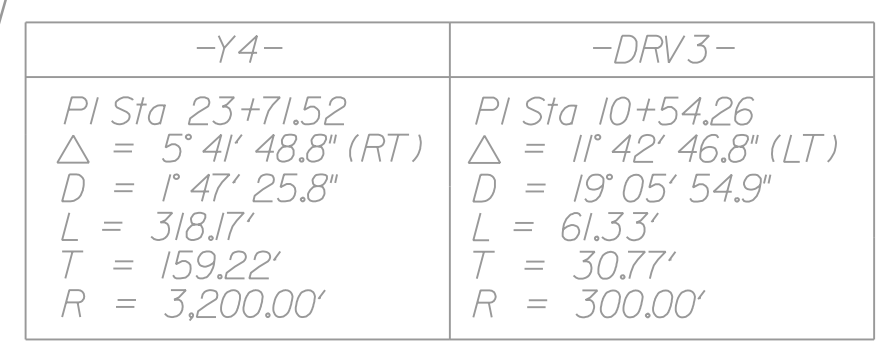
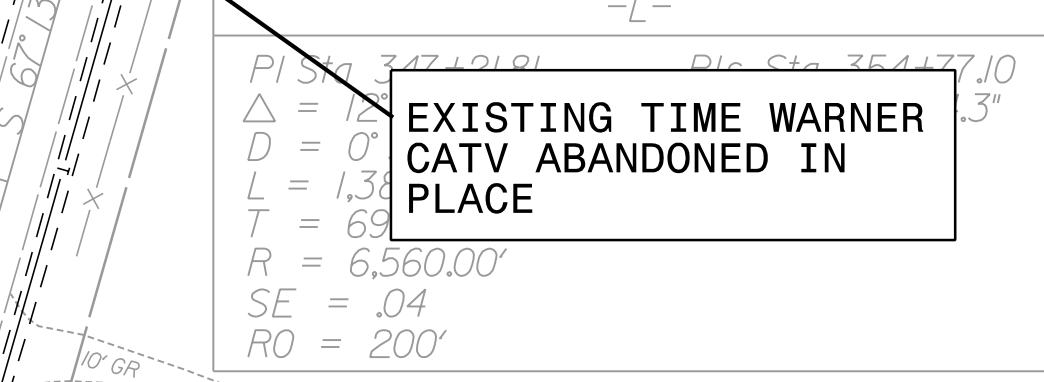
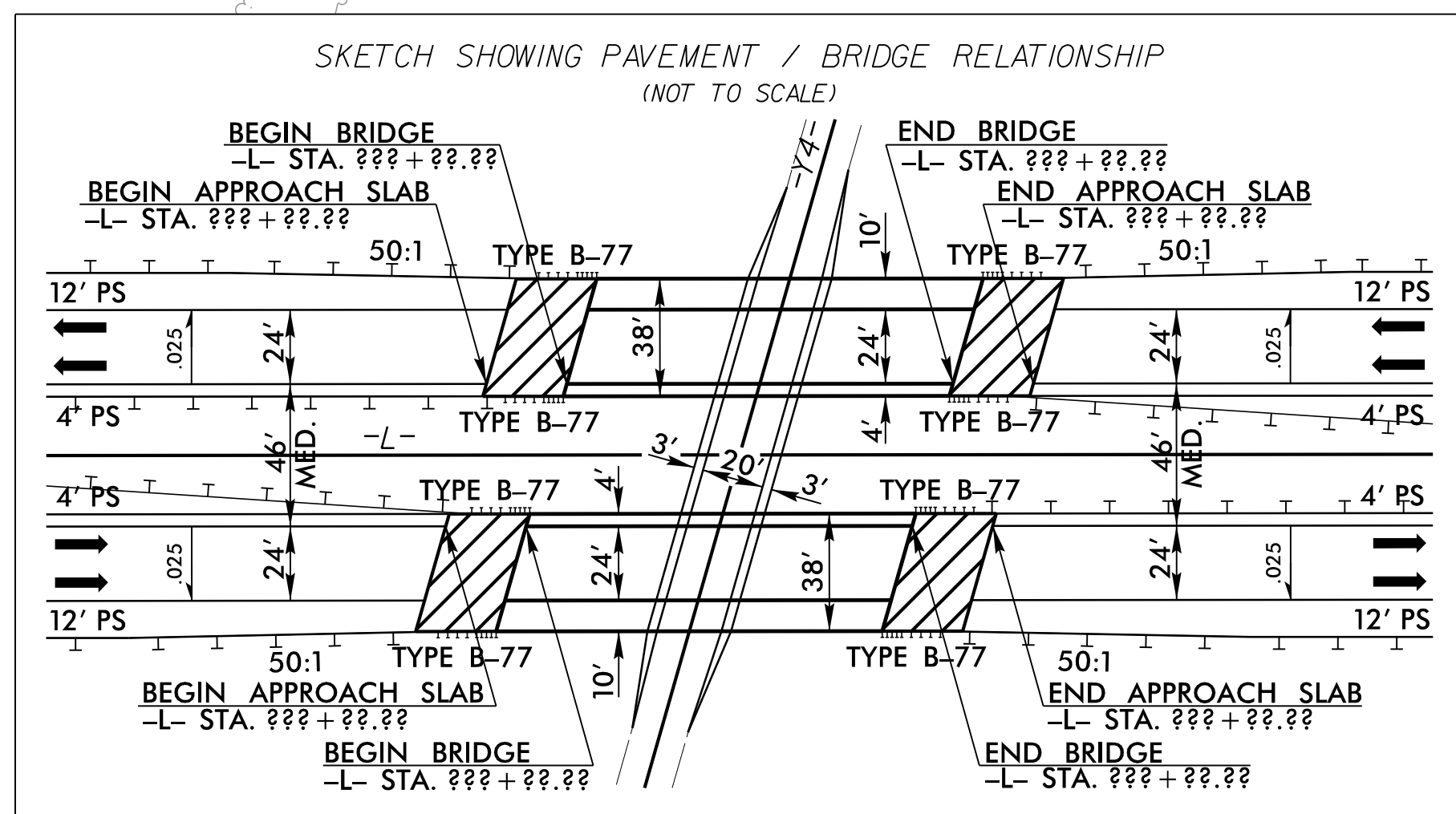
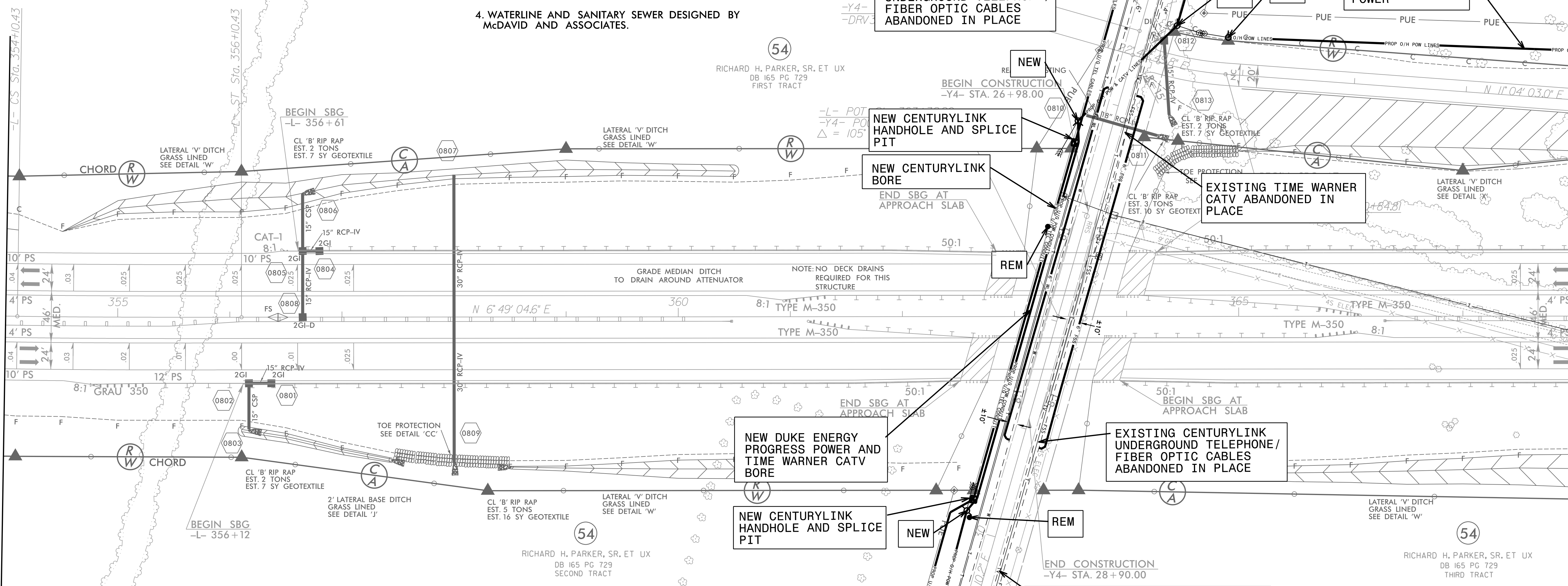
UTILITIES BY OTHERS

NOTE:
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NAD 83/NSRS 2007

MATCHLINE -L- STA. 354 + 00.00 SHEET 7

MATCHLINE -DRV3-
-L- STA. 368 + 00.00 SEE UO 4 STA. 14 + 00.00



NEW CENTURYLINK UNDERGROUND TELEPHONE/FIBER OPTIC CABLES 2' INSIDE PUE

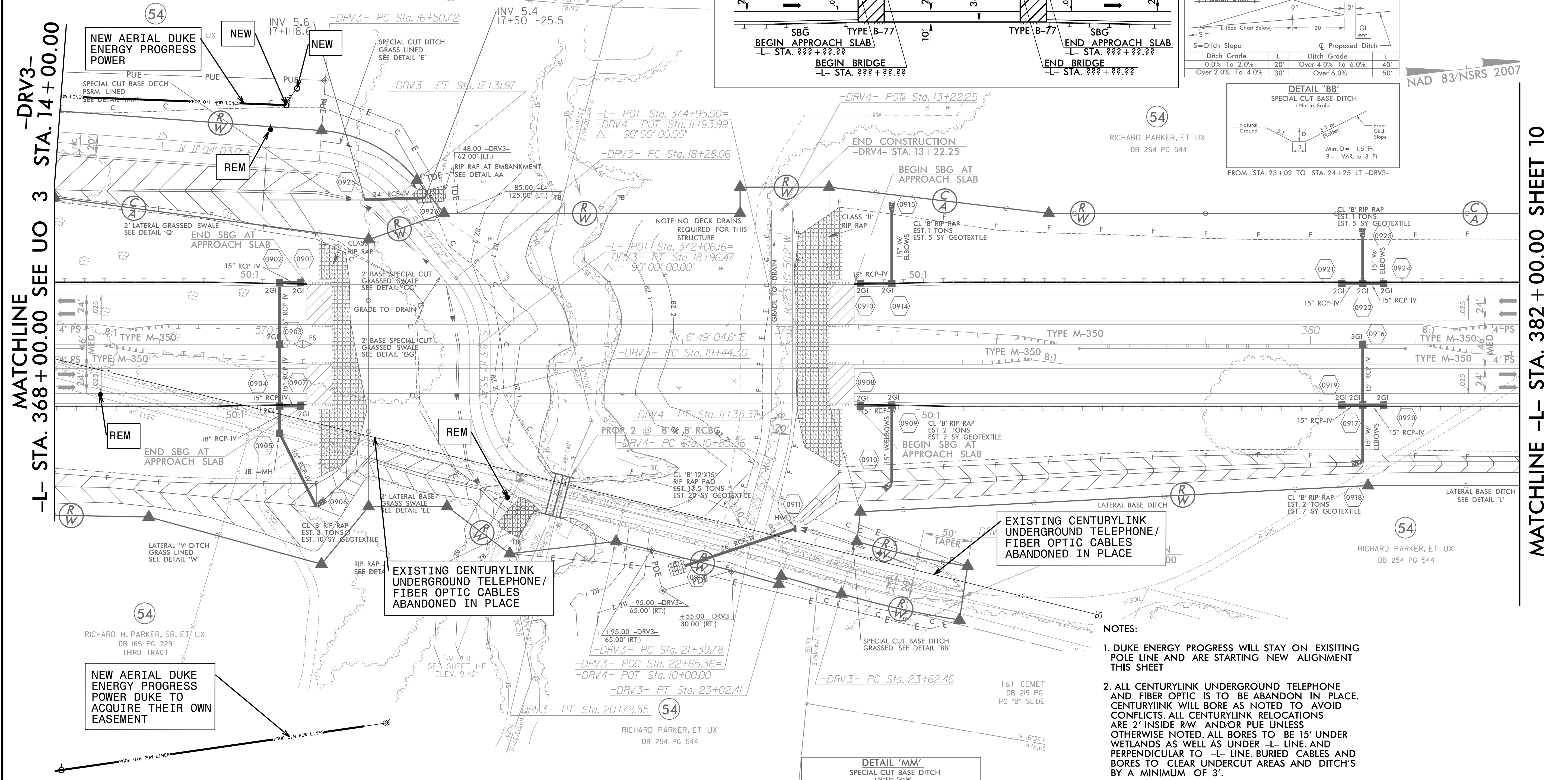
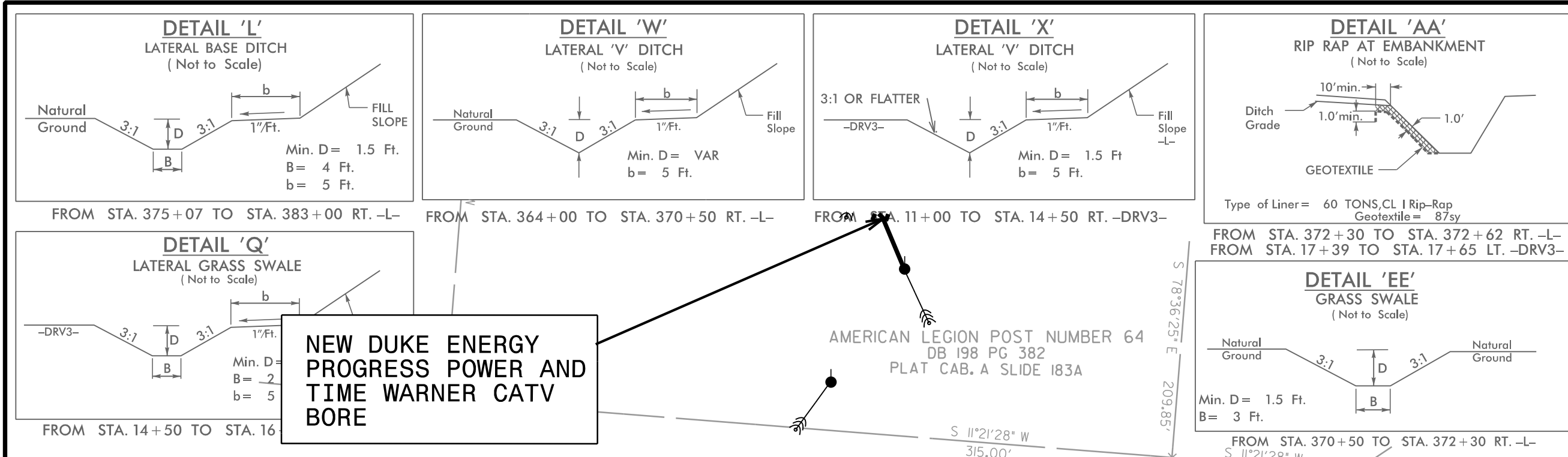
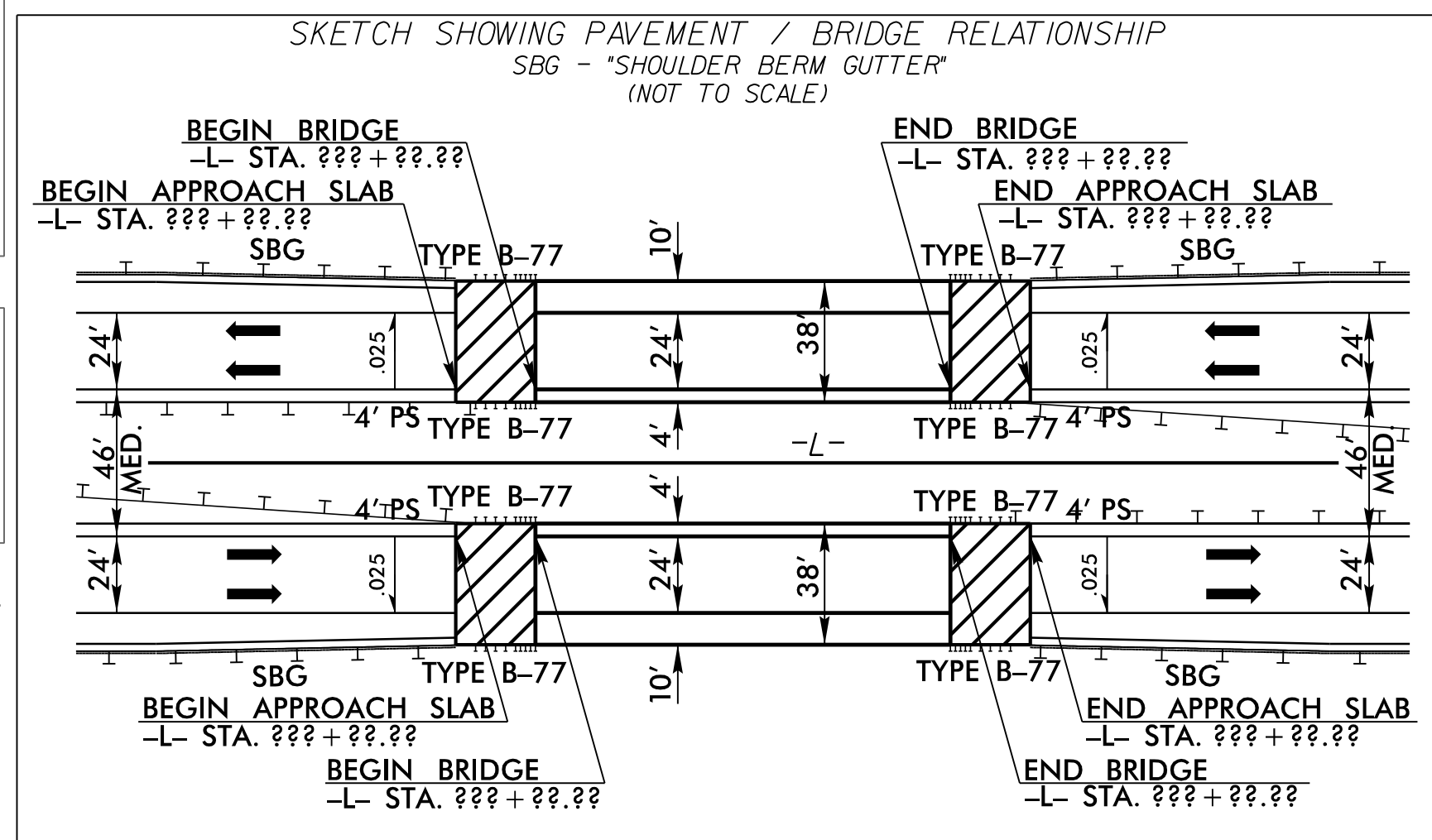
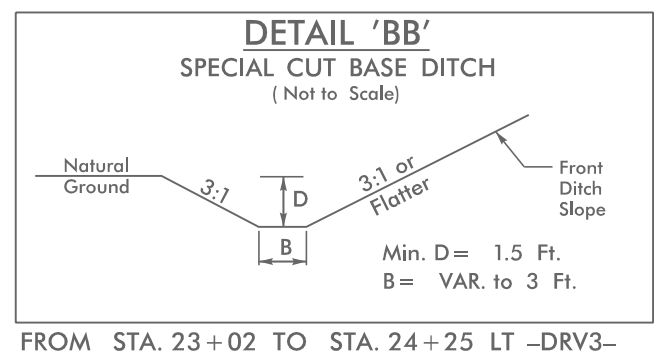
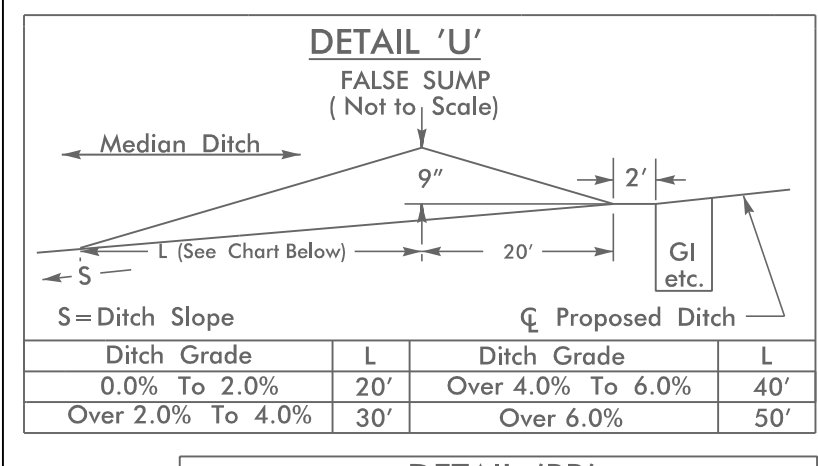
NEW DUKE ENERGY PROGRESS POWER AND TIME WARNER CATV BORE

NEW CENTURYLINK HANDHOLE

NEW AERIAL DUKE ENERGY PROGRESS POWER DUKE TO ACQUIRE THEIR OWN EASEMENT

UTILITIES BY OTHERS

NOTE:
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MATCHLINE -L- STA. 368+00.00 SEE UO 3 STA. 14+00.00

MATCHLINE -L- STA. 382+00.00 SHEET 10

-DRV3-			-DRV4-		
PI Sta 16+93.74	PI Sta 18+63.66	PI Sta 20+23.73	PI Sta 22+21.12	PI Sta 24+18.81	PI Sta 11+11.04
$\Delta = 46^{\circ}33'14.2''$ (RT)	$\Delta = 39^{\circ}11'47.4''$ (RT)	$\Delta = 76^{\circ}55'03.6''$ (LT)	$\Delta = 3^{\circ}12'47.2''$ (RT)	$\Delta = 7^{\circ}35'08.3''$ (LT)	$\Delta = 15^{\circ}45'34.5''$ (LT)
D = 57'17" 44.8"	D = 57'17" 44.8"	D = 57'17" 44.8"	D = 1'58" 32.6"	D = 6'44" 26.4"	D = 28'38" 52.4"
L = 81.25'	L = 68.41'	L = 134.25'	L = 162.63'	L = 112.54'	L = 55.01'
T = 43.02'	T = 35.60'	T = 79.43'	T = 81.34'	T = 56.35'	T = 27.68'
R = 100.00'	R = 100.00'	R = 100.00'	R = 2,900.00'	R = 850.00'	R = 200.00'

- NOTES:**
- DUKE ENERGY PROGRESS WILL STAY ON EXISTING POLE LINE AND ARE STARTING NEW ALIGNMENT THIS SHEET
 - ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDON IN PLACE. CENTURYLINK WILL BORE AS NOTED TO AVOID CONFLICTS. ALL CENTURYLINK RELOCATIONS ARE 2' INSIDE RW AND/OR PUE UNLESS OTHERWISE NOTED. ALL BORES TO BE 15' UNDER WETLANDS AS WELL AS UNDER -L- LINE AND PERPENDICULAR TO -L- LINE. BURIED CABLES AND BORES TO CLEAR UNDERCUT AREAS AND DITCH'S BY A MINIMUM OF 3'.

UTILITY OWNERS ON THIS SHEET

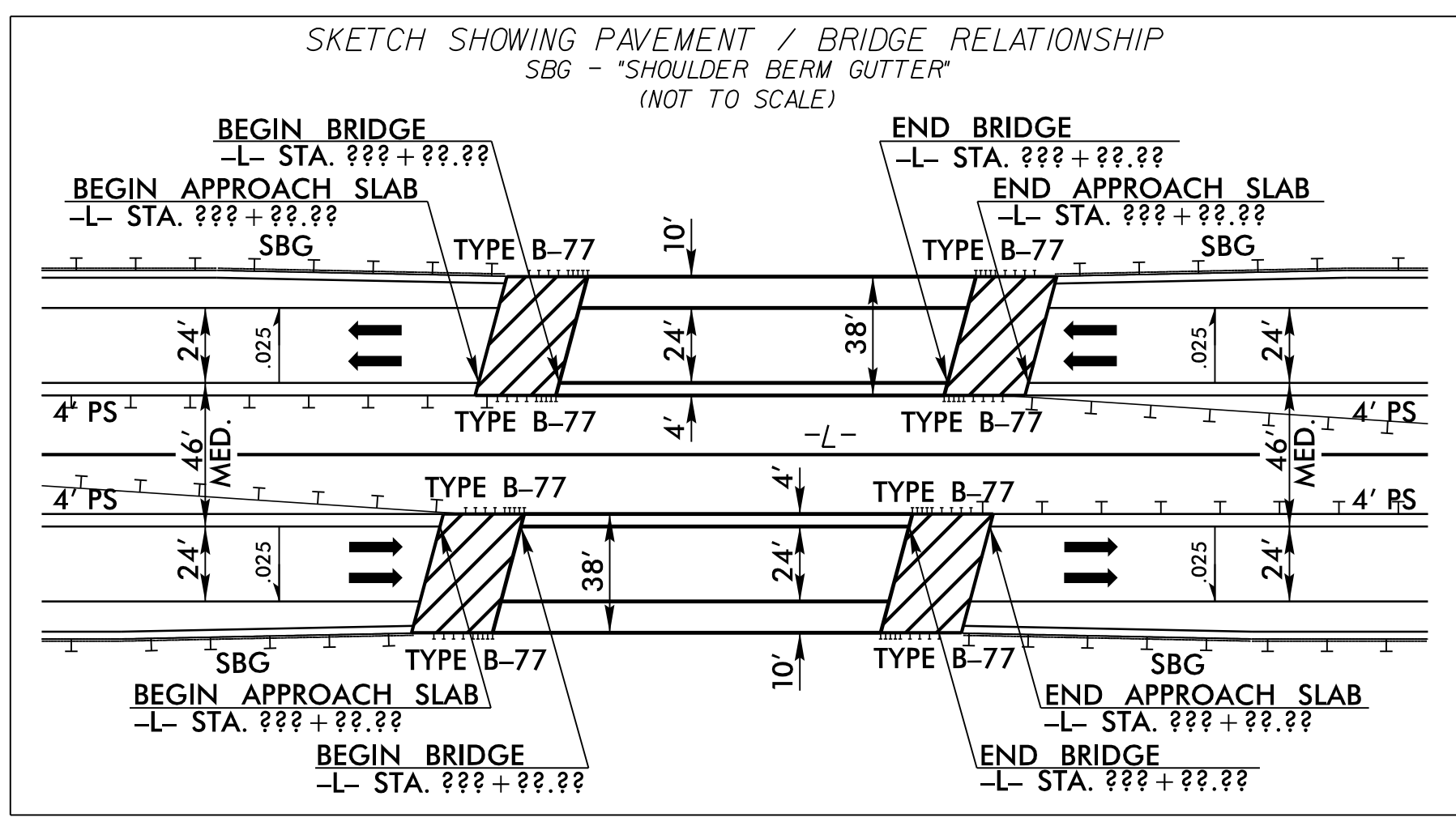
DUKE ENERGY PROGRESS - POWER
CENTURYLINK - TELEPHONE AND FIBER OPTIC
TIME WARNER - CATV

PLANS PREPARED BY :

RK&K
RUMMEL, KLEPPER & KAHL, LLP
900 RIDGEFIELD DRIVE SUITE 350
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UTILITIES BY OTHERS

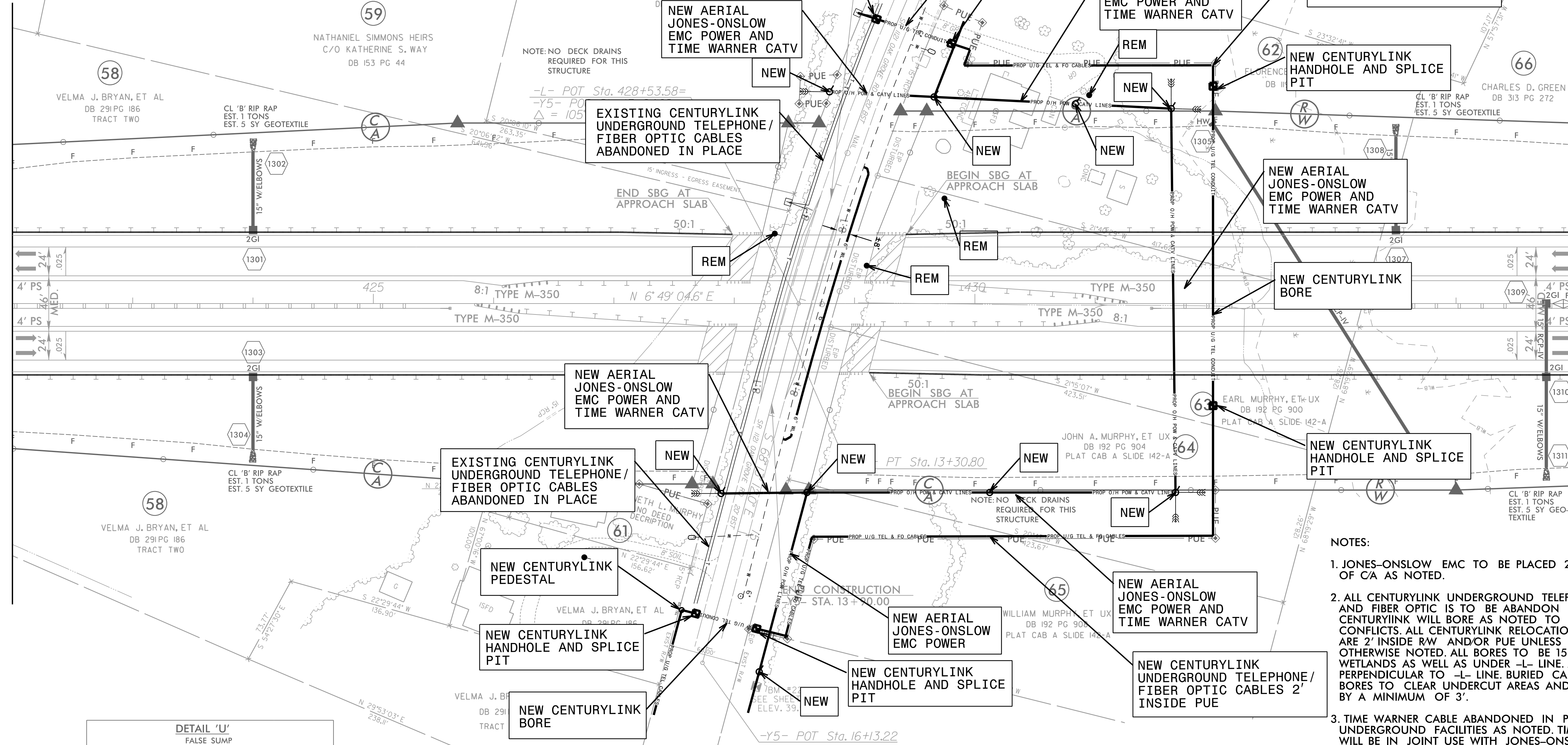
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-Y5-
PI Sta 11+65.79
 $\Delta = 9' 35' 48''$ (LT)
 $D = 2' 54' 03.8''$
 $L = 330.80'$
 $T = 165.79'$
 $R = 1,975.00'$

MATCHLINE -L- STA. 422 + 00.00 SHEET 12

MATCHLINE -L- STA. 435 + 00.00 SHEET 14



NOTE: NO DECK DRAINS REQUIRED FOR THIS STRUCTURE

NOTE: NO DECK DRAINS REQUIRED FOR THIS STRUCTURE

- NOTES:**
- JONES-ONSLow EMC TO BE PLACED 2' OUTSIDE OF C/A AS NOTED.
 - ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDON IN PLACE. CENTURYLINK WILL BORE AS NOTED TO AVOID CONFLICTS. ALL CENTURYLINK RELOCATIONS ARE 2' INSIDE R/W AND/OR PUE UNLESS OTHERWISE NOTED. ALL BORES TO BE 15' UNDER WETLANDS AS WELL AS UNDER -L- LINE AND PERPENDICULAR TO -L- LINE. BURIED CABLES AND BORES TO CLEAR UNDERCUT AREAS AND DITCH'S BY A MINIMUM OF 3'.
 - TIME WARNER CABLE ABANDONED IN PLACE UNDERGROUND FACILITIES AS NOTED. TIME WARNER WILL BE IN JOINT USE WITH JONES-ONSLow EMC. TIME WARNER TO SPLICE TO EXISTING SERVICE LINES OUTSIDE OF PROJECT CONSTRUCTION.
 - WATERLINE AND SANITARY SEWER DESIGNED BY McDAVID AND ASSOCIATES.

DETAIL 'U' FALSE SUMP (Not to Scale)

Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'

UTILITY OWNERS ON THIS SHEET

JONES-ONSLow EMC - POWER
CENTURYLINK - TELEPHONE AND FIBER OPTIC
TIME WARNER - CATV
JONES COUNTY REGIONAL WATER SYSTEMS - WATER

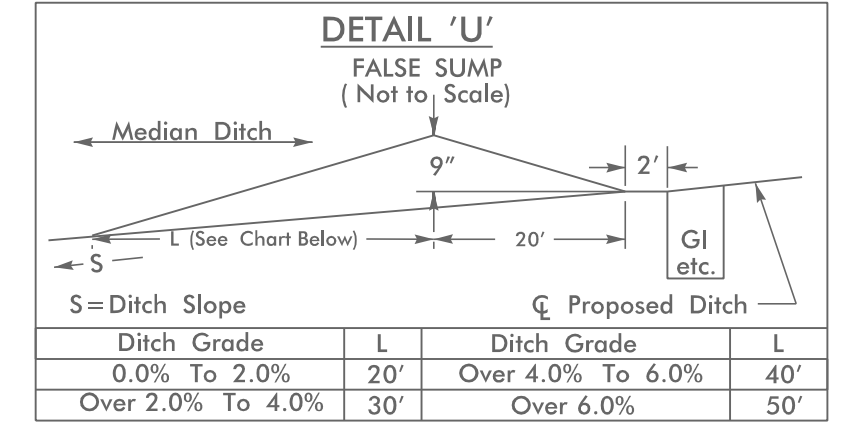
PLANS PREPARED BY :

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RUMMEL, KLEPPER & KAHL, LLP
900 RIDGEFIELD DRIVE SUITE 350
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NC LICENSE NO. F-0112 • (919) 878-9560

UTILITIES BY OTHERS

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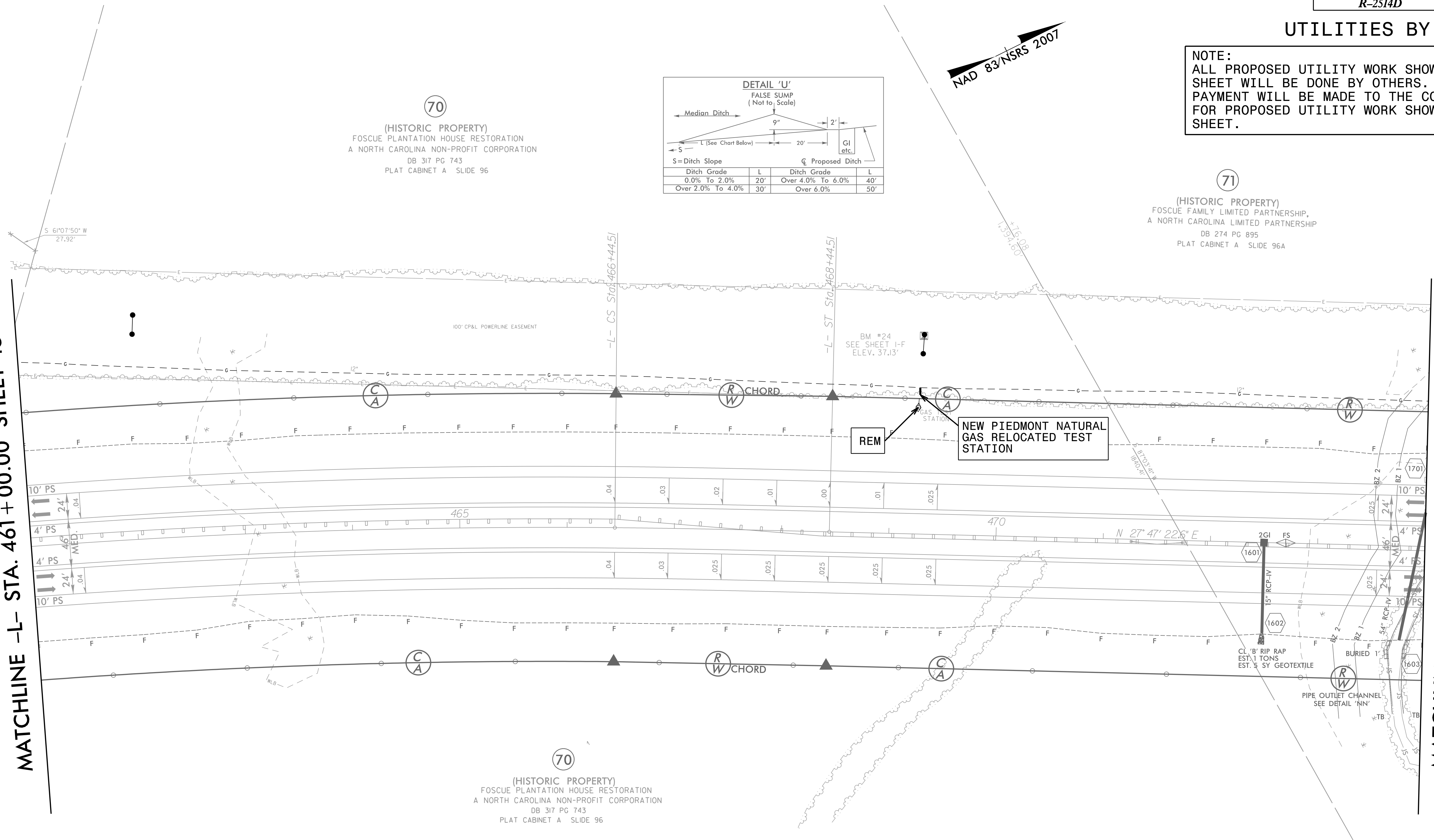
70
(HISTORIC PROPERTY)
FOSCUE PLANTATION HOUSE RESTORATION
A NORTH CAROLINA NON-PROFIT CORPORATION
DB 317 PG 743
PLAT CABINET A SLIDE 96



71
(HISTORIC PROPERTY)
FOSCUE FAMILY LIMITED PARTNERSHIP,
A NORTH CAROLINA LIMITED PARTNERSHIP
DB 274 PG 895
PLAT CABINET A SLIDE 96A

MATCHLINE -L- STA. 461+00.00 SHEET 15

MATCHLINE -L- STA. 474+00.00 SHEET 17



-L-

PI Sta 455+54.40	PIs Sta 467+11.8
$\Delta = 19' 13' 29.4" (RT)$	$\Theta_s = 0' 52' 24.3"$
$D = 0' 52' 24.3"$	$L_s = 200.00'$
$L = 2,201.12'$	$LT = 133.33'$
$T = 1,111.00'$	$ST = 66.67'$
$R = 6,560.00'$	
$SE = .04$	
$RO = 200'$	

70
(HISTORIC PROPERTY)
FOSCUE PLANTATION HOUSE RESTORATION
A NORTH CAROLINA NON-PROFIT CORPORATION
DB 317 PG 743
PLAT CABINET A SLIDE 96

NAD 83/NSRS 2007

UTILITY OWNERS ON THIS SHEET

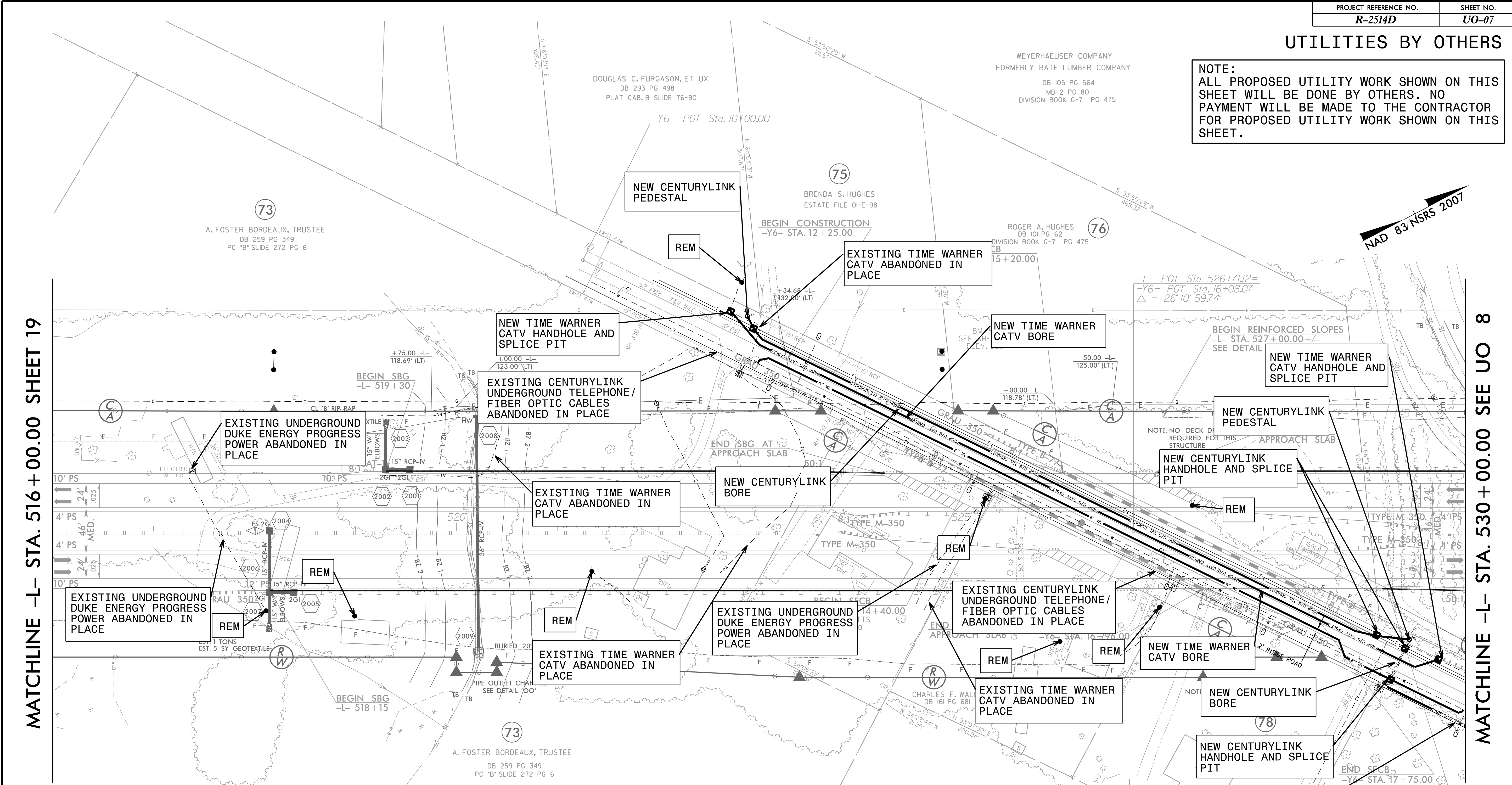
DUKE ENERGY PROGRESS - TRANSMISSION (NO CONFLICT)
PIEDMONT NATURAL GAS - NATURAL GAS

PLANS PREPARED BY :

RK&K
RUMMEL, KLEPPER & KAHL, LLP
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NC LICENSE NO. F-0112 • (919) 878-9560

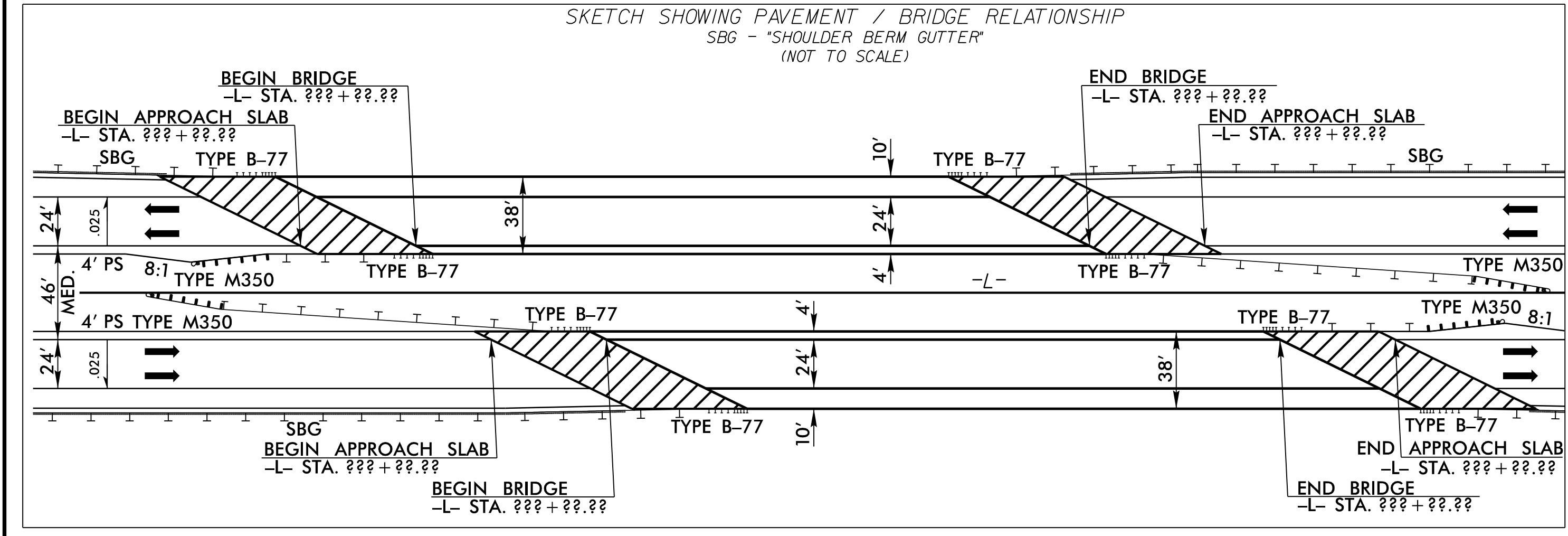
UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.



MATCHLINE -L- STA. 516 + 00.00 SHEET 19

MATCHLINE -L- STA. 530 + 00.00 SEE UO 8



- NOTE:
- JONES-ONSLow EMC IS ABANDONING ALL EXISTING FACILITIES ON TEN MILE FORK ROAD
 - ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDON IN PLACE. CENTURYLINK WILL BORE AS NOTED TO AVOID CONFLICTS. ALL CENTURYLINK RELOCATIONS ARE 2' INSIDE RW AND/OR PUE UNLESS OTHERWISE NOTED. ALL BORES TO BE 15' UNDER WETLANDS AS WELL AS UNDER -L- LINE AND PERPENDICULAR TO -L- LINE. BURIED CABLES AND BORES TO CLEAR UNDERCUT AREAS AND DITCH'S BY A MINIMUM OF 3'.
 - TIME WARNER CABLE ABANDONED IN PLACE UNDERGROUND FACILITIES AS NOTED. TIME WARNER WILL BORE WITH PROPER SEPARATION BETWEEN OTHER UNDERGROUND FACILITIES. TIME WARNER TO SPLICE TO EXISTING SERVICE LINES OUTSIDE OF PROJECT CONSTRUCTION.
 - WATERLINE DESIGNED BY McDAVID AND ASSOCIATES.

UTILITY OWNERS ON THIS SHEET

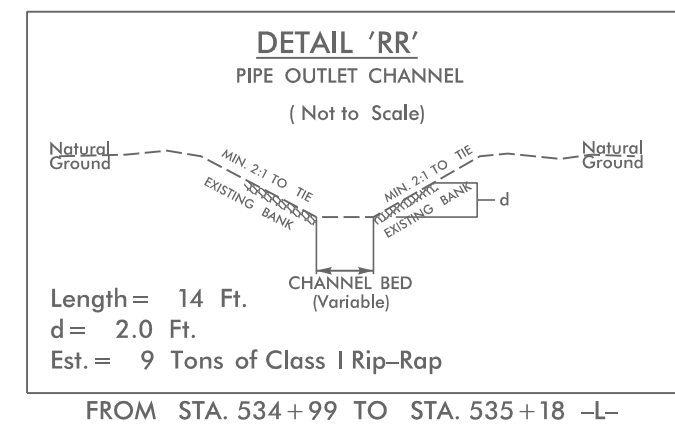
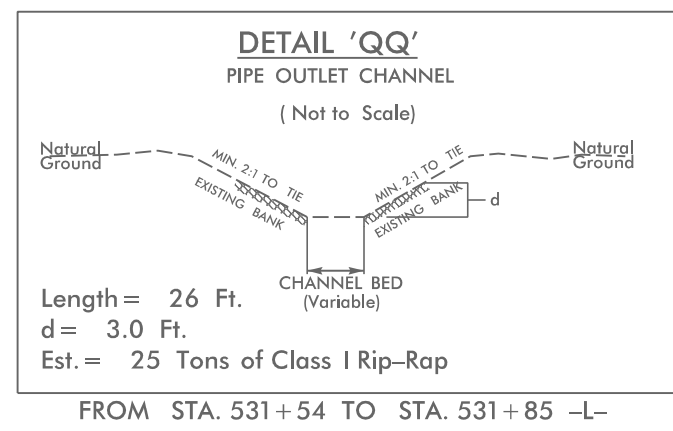
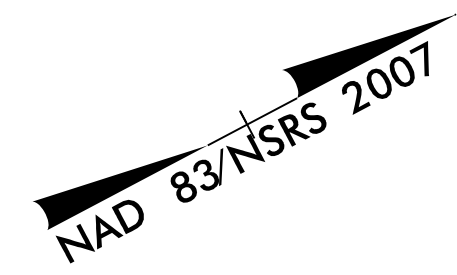
DUKE ENERGY PROGRESS - TRANSMISSION (NO CONFLICT)
 JONES-ONSLow EMC - POWER
 CENTURYLINK - TELEPHONE/FIBER OPTIC
 TIME WARNER - CATV

PLANS PREPARED BY :

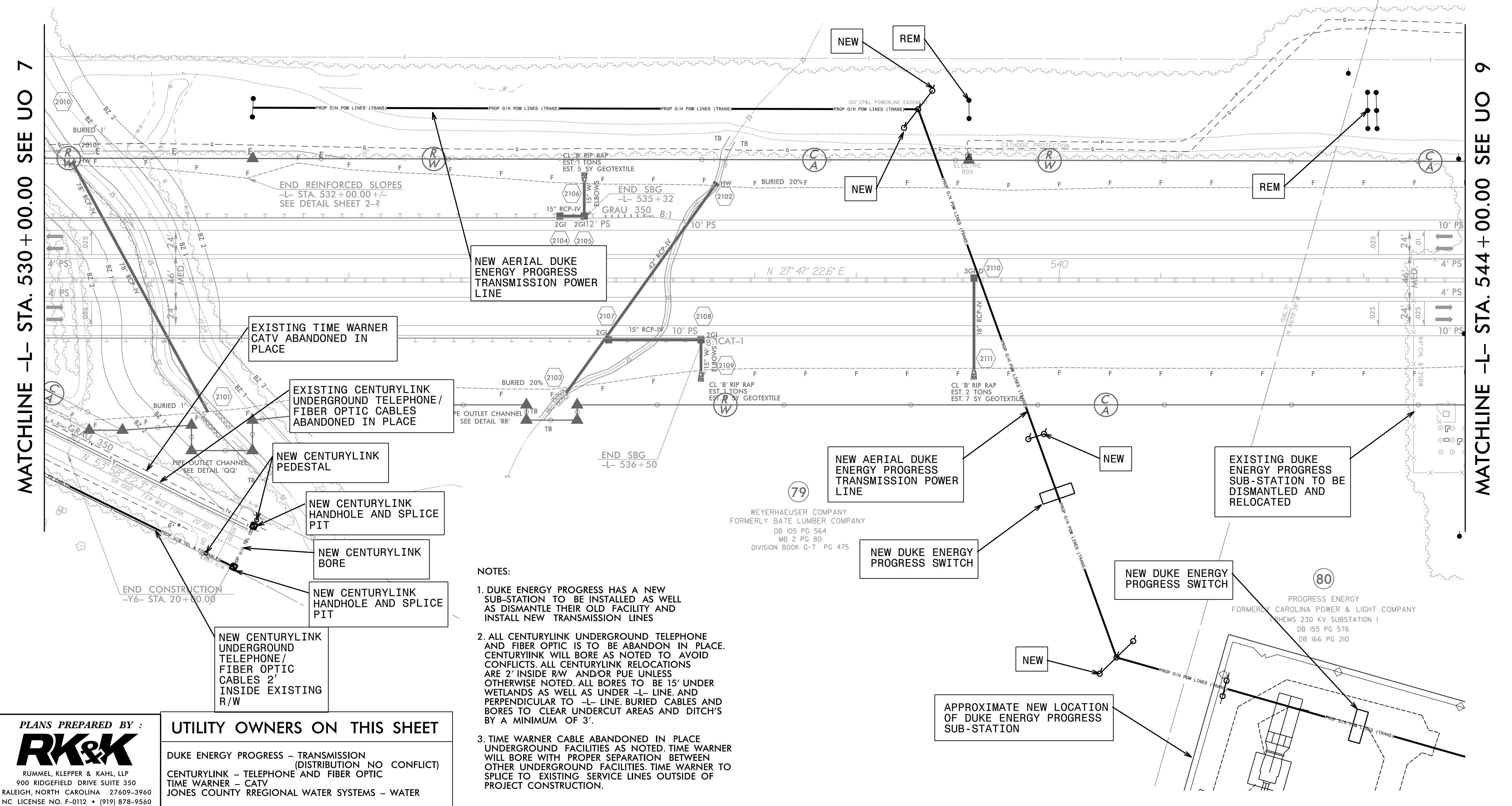
 RUMMEL, KLEPPER & KAHL, LLP
 900 RIDGEFIELD DRIVE SUITE 350
 RALEIGH, NORTH CAROLINA 27609-3960
 NC LICENSE NO. F-0112 • (919) 878-9560

UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.



79
WEYERHAEUSER COMPANY
FORMERLY BATE LUMBER COMPANY
DB 105 PG 564
MB 2 PG 80
DIVISION BOOK G-7 PG 475



- NOTES:**
1. DUKE ENERGY PROGRESS HAS A NEW SUB-STATION TO BE INSTALLED AS WELL AS DISMANTLE THEIR OLD FACILITY AND INSTALL NEW TRANSMISSION LINES
 2. ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDON IN PLACE. CENTURYLINK WILL BORE AS NOTED TO AVOID CONFLICTS. ALL CENTURYLINK RELOCATIONS ARE 2' INSIDE RW AND/OR PUE UNLESS OTHERWISE NOTED. ALL BORES TO BE 15' UNDER WETLANDS AS WELL AS UNDER -L- LINE AND PERPENDICULAR TO -L- LINE. BURIED CABLES AND BORES TO CLEAR UNDERCUT AREAS AND DITCH'S BY A MINIMUM OF 3'.
 3. TIME WARNER CABLE ABANDONED IN PLACE UNDERGROUND FACILITIES AS NOTED. TIME WARNER WILL BORE WITH PROPER SEPARATION BETWEEN OTHER UNDERGROUND FACILITIES. TIME WARNER TO SPLICE TO EXISTING SERVICE LINES OUTSIDE OF PROJECT CONSTRUCTION.

PLANS PREPARED BY :
RK&K
RUMMEL, KLEPPER & KAHL, LLP
900 RIDGEFIELD DRIVE SUITE 350
RALEIGH, NORTH CAROLINA 27609-3960
NC LICENSE NO. F-0112 • (919) 878-9560

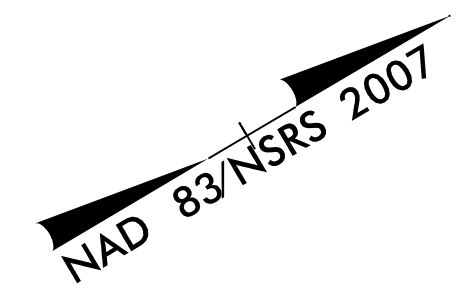
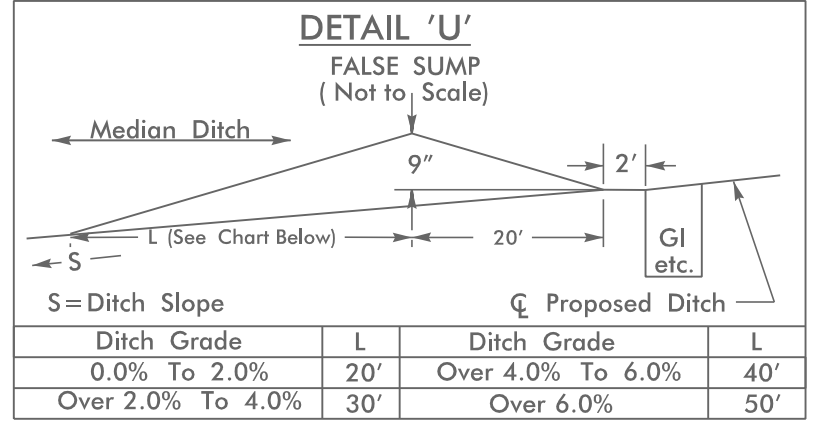
UTILITY OWNERS ON THIS SHEET

DUKE ENERGY PROGRESS - TRANSMISSION (DISTRIBUTION NO CONFLICT)
CENTURYLINK - TELEPHONE AND FIBER OPTIC
TIME WARNER - CATV
JONES COUNTY REGIONAL WATER SYSTEMS - WATER

UTILITIES BY OTHERS

NOTE: ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

-L-
 PI Sta 571+12.36
 $\Delta = 28^{\circ} 45' 22.4" (RT)$
 $D = 0^{\circ} 33' 17.1"$
 $L = 5,183.63'$
 $T = 2,647.63'$
 $R = 10,328.19'$
 $SE = .025$
 $RO = 90'$



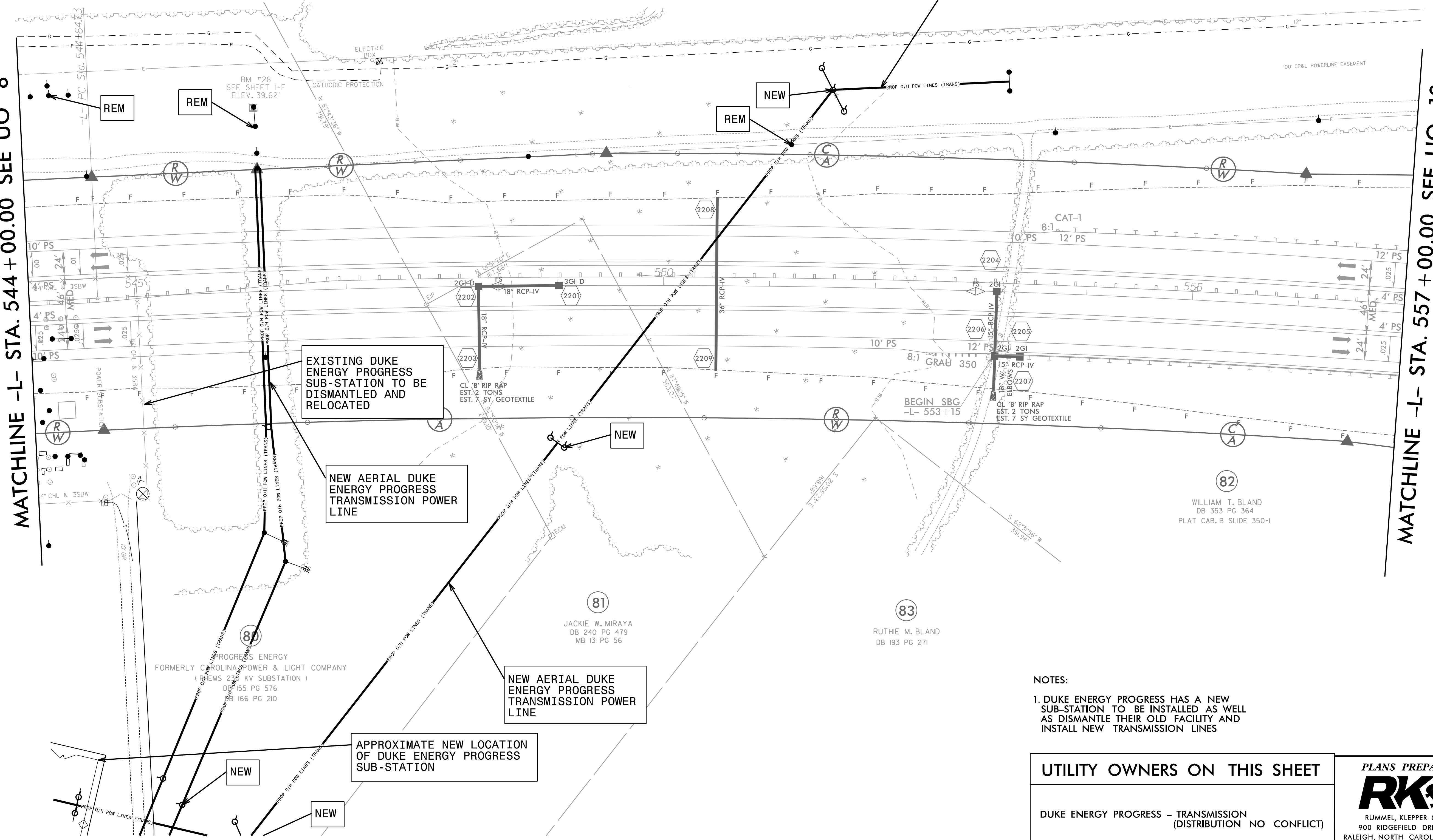
80
 PROGRESS ENERGY
 FORMERLY CAROLINA POWER & LIGHT COMPANY
 (RHEMS 230 KV SUBSTATION)
 DB 155 PG 576
 DB 166 PG 210

82
 WILLIAM T. BLAND
 DB 353 PG 364
 PLAT CAB. B SLIDE 350-1

NEW AERIAL DUKE ENERGY PROGRESS TRANSMISSION POWER LINE

MATCHLINE -L- STA. 544 + 00.00 SEE UO 8

MATCHLINE -L- STA. 557 + 00.00 SEE UO 10



PROGRESS ENERGY
 FORMERLY CAROLINA POWER & LIGHT COMPANY
 (RHEMS 230 KV SUBSTATION)
 DB 155 PG 576
 DB 166 PG 210

81
 JACKIE W. MIRAYA
 DB 240 PG 479
 MB 13 PG 56

83
 RUTHIE M. BLAND
 DB 193 PG 271

82
 WILLIAM T. BLAND
 DB 353 PG 364
 PLAT CAB. B SLIDE 350-1

NOTES:
 1. DUKE ENERGY PROGRESS HAS A NEW SUB-STATION TO BE INSTALLED AS WELL AS DISMANTLE THEIR OLD FACILITY AND INSTALL NEW TRANSMISSION LINES

UTILITY OWNERS ON THIS SHEET

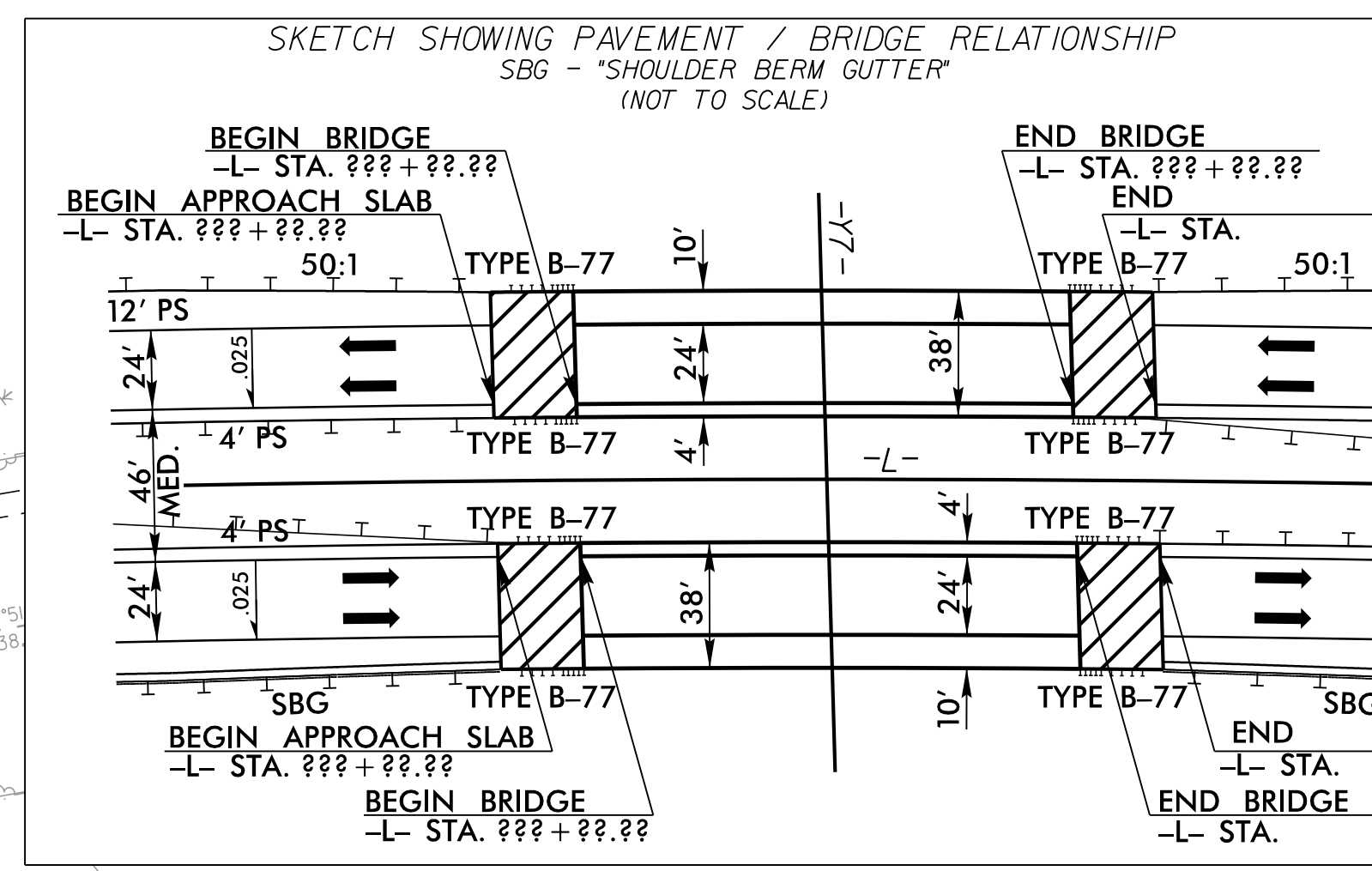
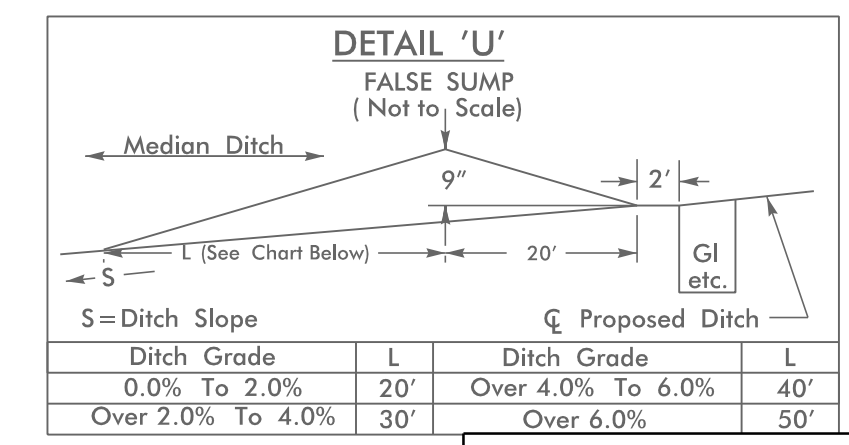
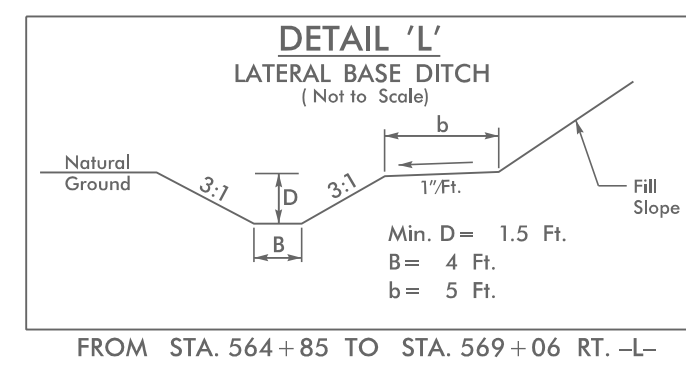
DUKE ENERGY PROGRESS - TRANSMISSION (DISTRIBUTION NO CONFLICT)

PLANS PREPARED BY :

RK&K
 RUMMEL, KLEPPER & KAHL, LLP
 900 RIDGEFIELD DRIVE SUITE 350
 RALEIGH, NORTH CAROLINA 27609-3960
 NC LICENSE NO. F-0112 • (919) 878-9560

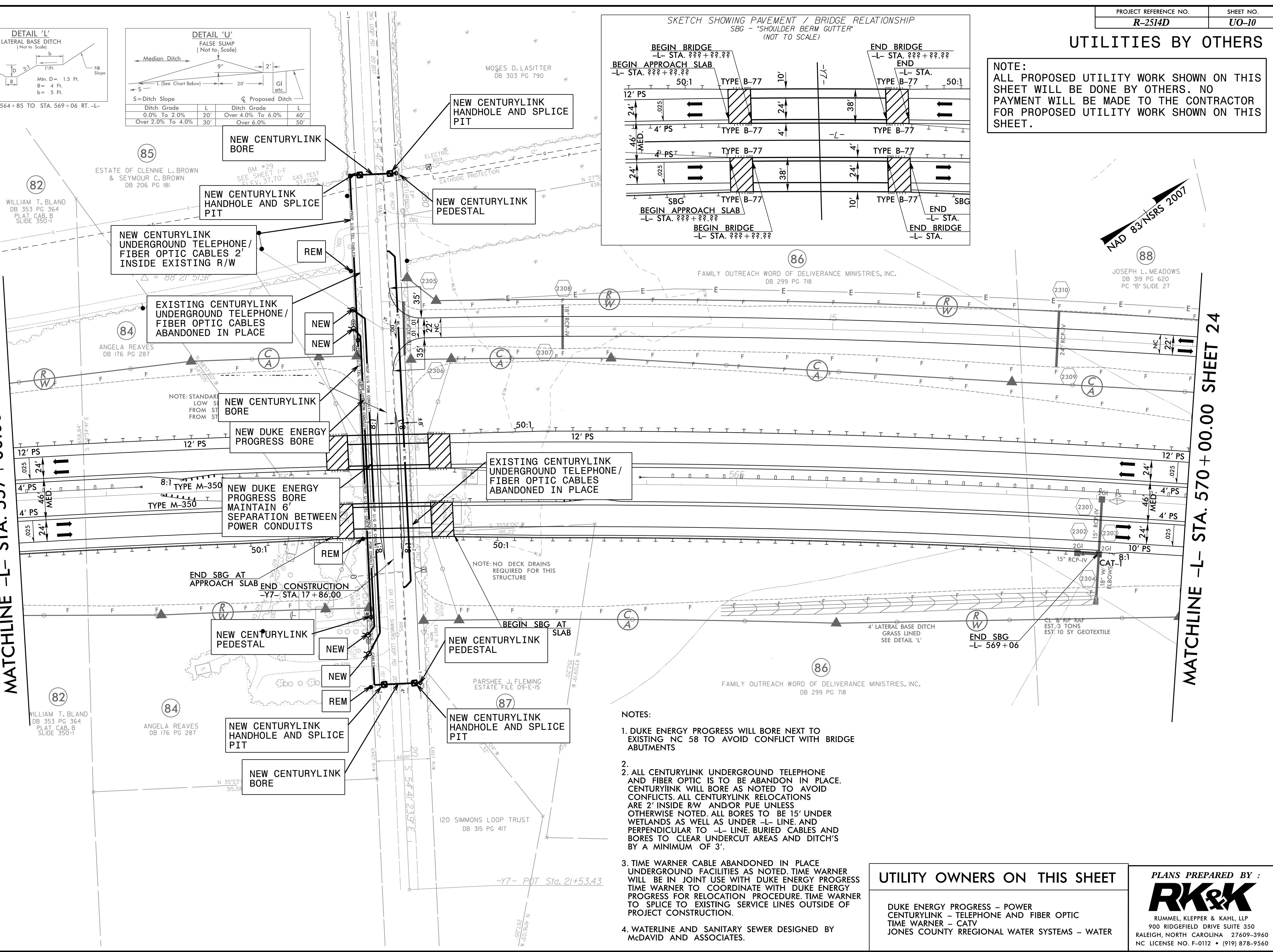
UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.



MATCHLINE -L- STA. 557 + 00.00 SEE UO 9

MATCHLINE -L- STA. 570 + 00.00 SHEET 24



- NOTES:**
1. DUKE ENERGY PROGRESS WILL BORE NEXT TO EXISTING NC 58 TO AVOID CONFLICT WITH BRIDGE ABUTMENTS
 2. ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDON IN PLACE. CENTURYLINK WILL BORE AS NOTED TO AVOID CONFLICTS. ALL CENTURYLINK RELOCATIONS ARE 2' INSIDE RW AND/OR PUE UNLESS OTHERWISE NOTED. ALL BORES TO BE 15' UNDER WETLANDS AS WELL AS UNDER -L- LINE AND PERPENDICULAR TO -L- LINE. BURIED CABLES AND BORES TO CLEAR UNDERCUT AREAS AND DITCH'S BY A MINIMUM OF 3'.
 3. TIME WARNER CABLE ABANDONED IN PLACE UNDERGROUND FACILITIES AS NOTED. TIME WARNER WILL BE IN JOINT USE WITH DUKE ENERGY PROGRESS TIME WARNER TO COORDINATE WITH DUKE ENERGY PROGRESS FOR RELOCATION PROCEDURE. TIME WARNER TO SPLICE TO EXISTING SERVICE LINES OUTSIDE OF PROJECT CONSTRUCTION.
 4. WATERLINE AND SANITARY SEWER DESIGNED BY McDAVID AND ASSOCIATES.

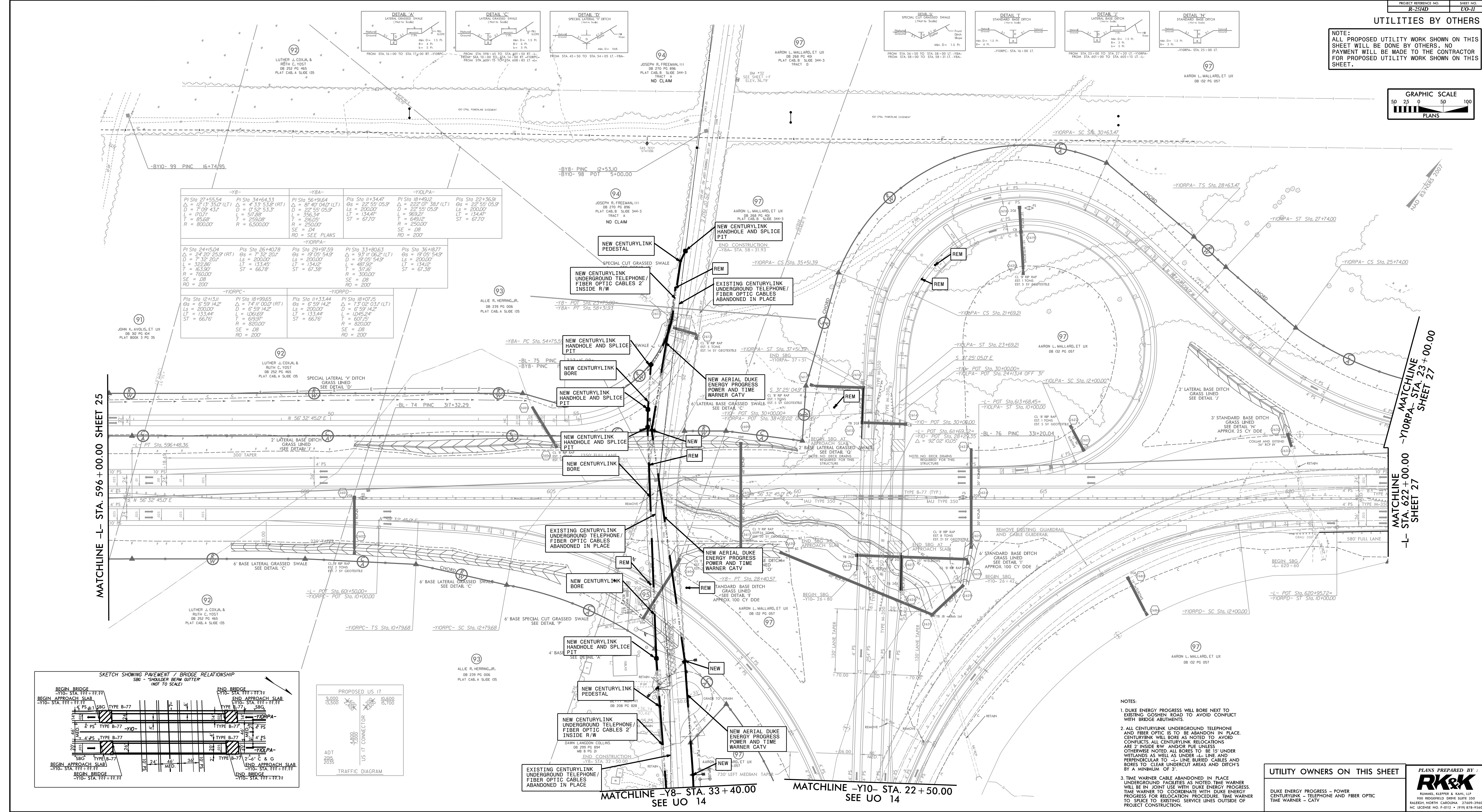
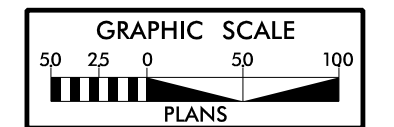
UTILITY OWNERS ON THIS SHEET

- DUKE ENERGY PROGRESS - POWER
- CENTURYLINK - TELEPHONE AND FIBER OPTIC
- TIME WARNER - CATV
- JONES COUNTY REGIONAL WATER SYSTEMS - WATER

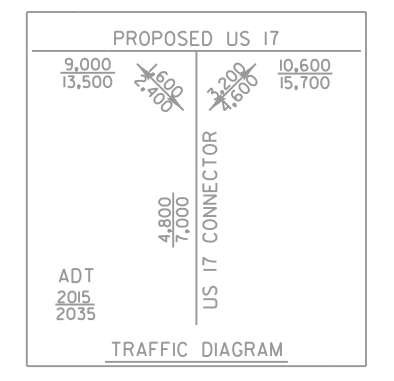
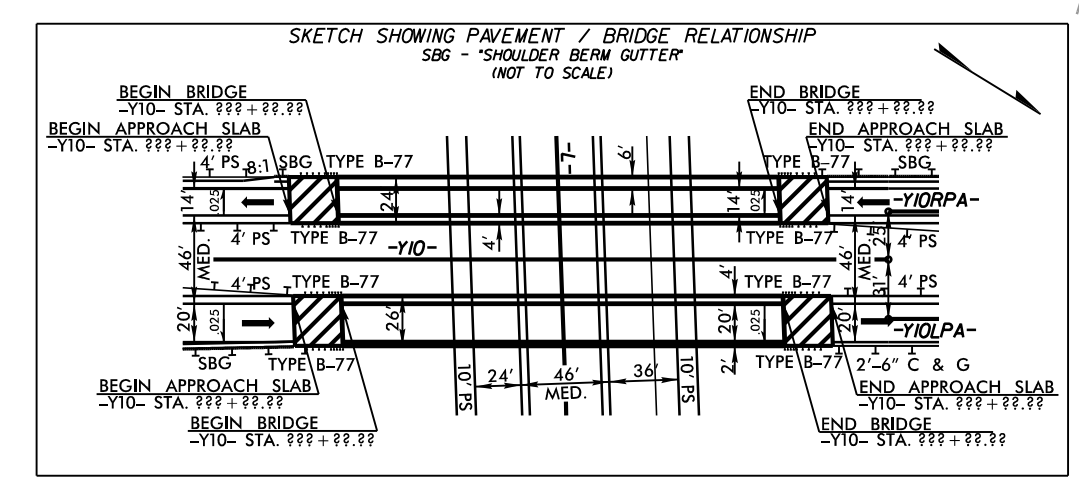
PLANS PREPARED BY :



NOTE: ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.



<p>-YB-</p> <p>PI Sta 27+55.54 $\Delta = 12' 13' 35.0"$ (LT) $\Delta = 7' 32' 43.1"$ $L = 110.71$ $T = 85.68$ $R = 800.00$</p>	<p>-Y8A-</p> <p>PI Sta 34+64.33 $\Delta = 12' 13' 35.0"$ (LT) $\Delta = 7' 32' 43.1"$ $L = 110.71$ $T = 85.68$ $R = 800.00$</p>	<p>-Y8A-</p> <p>PI Sta 56+99.64 $\Delta = 8' 40' 04.0"$ (LT) $\Delta = 2' 40' 04.0"$ (RT) $L = 50.35$ $T = 250.08$ $R = 6500.00$</p>	<p>-Y8A-</p> <p>PI Sta 11+33.44 $\Delta = 7' 32' 43.1"$ (RT) $\Delta = 12' 13' 35.0"$ (LT) $L = 110.71$ $T = 85.68$ $R = 800.00$</p>	<p>-Y8A-</p> <p>PI Sta 18+49.02 $\Delta = 22' 55' 05.9"$ (LT) $\Delta = 22' 55' 05.9"$ (RT) $L = 134.47$ $T = 649.02$ $R = 2500.00$</p>	<p>-Y8A-</p> <p>PI Sta 22+36.91 $\Delta = 22' 55' 05.9"$ (LT) $\Delta = 22' 55' 05.9"$ (RT) $L = 134.47$ $T = 649.02$ $R = 2500.00$</p>
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NOTES:

- DUKE ENERGY POWER WILL BORE NEXT TO EXISTING COHEN ROAD TO AVOID CONFLICT WITH BRIDGE ABUTMENTS.
- ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDONED IN PLACE. CENTURYLINK WILL BORE AS NOTED TO AVOID CONFLICTS. ALL CENTURYLINK RELOCATIONS ARE 2' INSIDE R/W AND/OR PUE UNLESS OTHERWISE NOTED. ALL BORES TO BE 15' UNDER WETLANDS AS WELL AS UNDER ALL LINES AND PERPENDICULAR TO ALL LINES. BURIED CABLES AND BORES TO CLEAR UNDERCUT AREAS AND DITCHES BY A MINIMUM OF 3'.
- TIME WARNER CABLE ABANDONED IN PLACE. UNDERGROUND FACILITIES AS NOTED. TIME WARNER WILL BE IN JOINT USE WITH DUKE ENERGY. TIME WARNER TO COORDINATE WITH DUKE ENERGY FOR RELOCATION PROCEDURE. TIME WARNER TO SPICE TO EXISTING SERVICE LINES OUTSIDE OF PROJECT CONSTRUCTION.

UTILITY OWNERS ON THIS SHEET

DUKE ENERGY - POWER
 CENTURYLINK - TELEPHONE AND FIBER OPTIC
 TIME WARNER - CATV

PLANS PREPARED BY:

ROBERT KLEPPER & DAVID LIP
 905 RIDGEFIELD DRIVE SUITE 350
 RALEIGH, NORTH CAROLINA 27609-3960
 NC LICENSE NO. P-0012 & P-0018-9540

MATCHLINE -L- STA. 596+00.00 SHEET 25

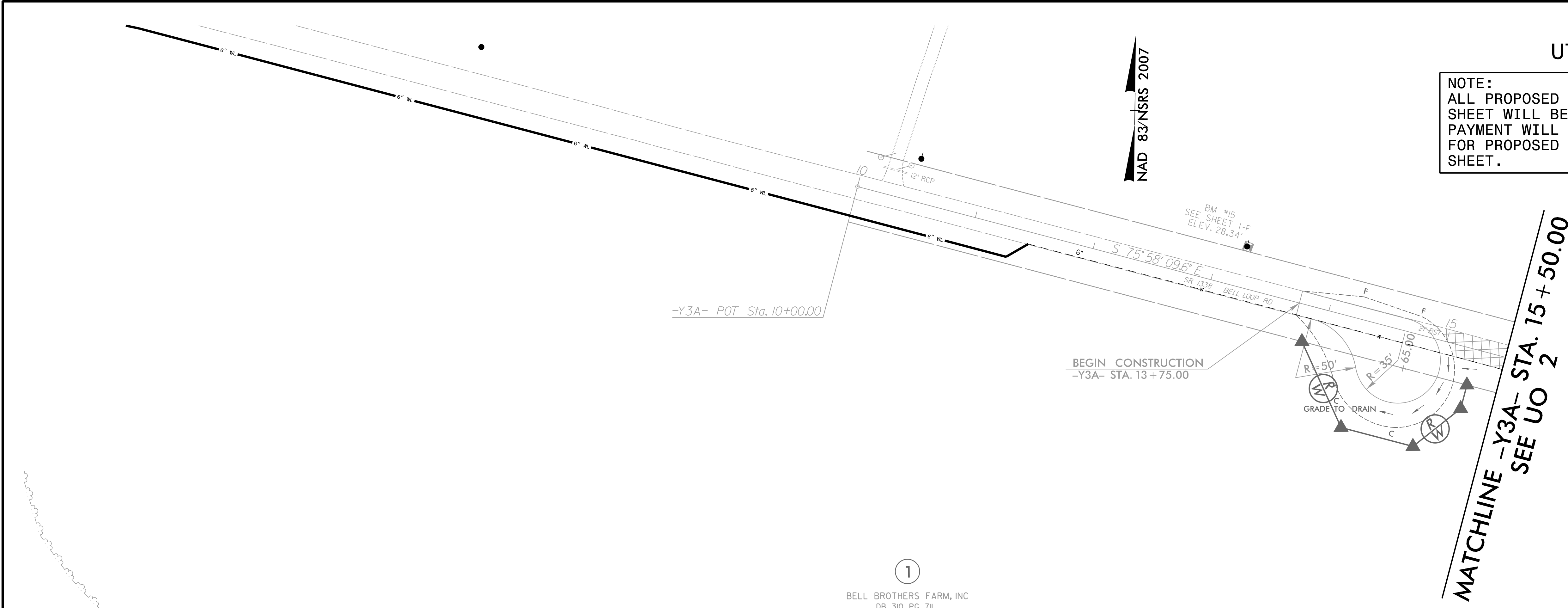
MATCHLINE -L- STA. 622+00.00 -Y10RPA- STA. 23+00.00 SHEET 27

MATCHLINE -Y8- STA. 33+40.00 SEE UO 14

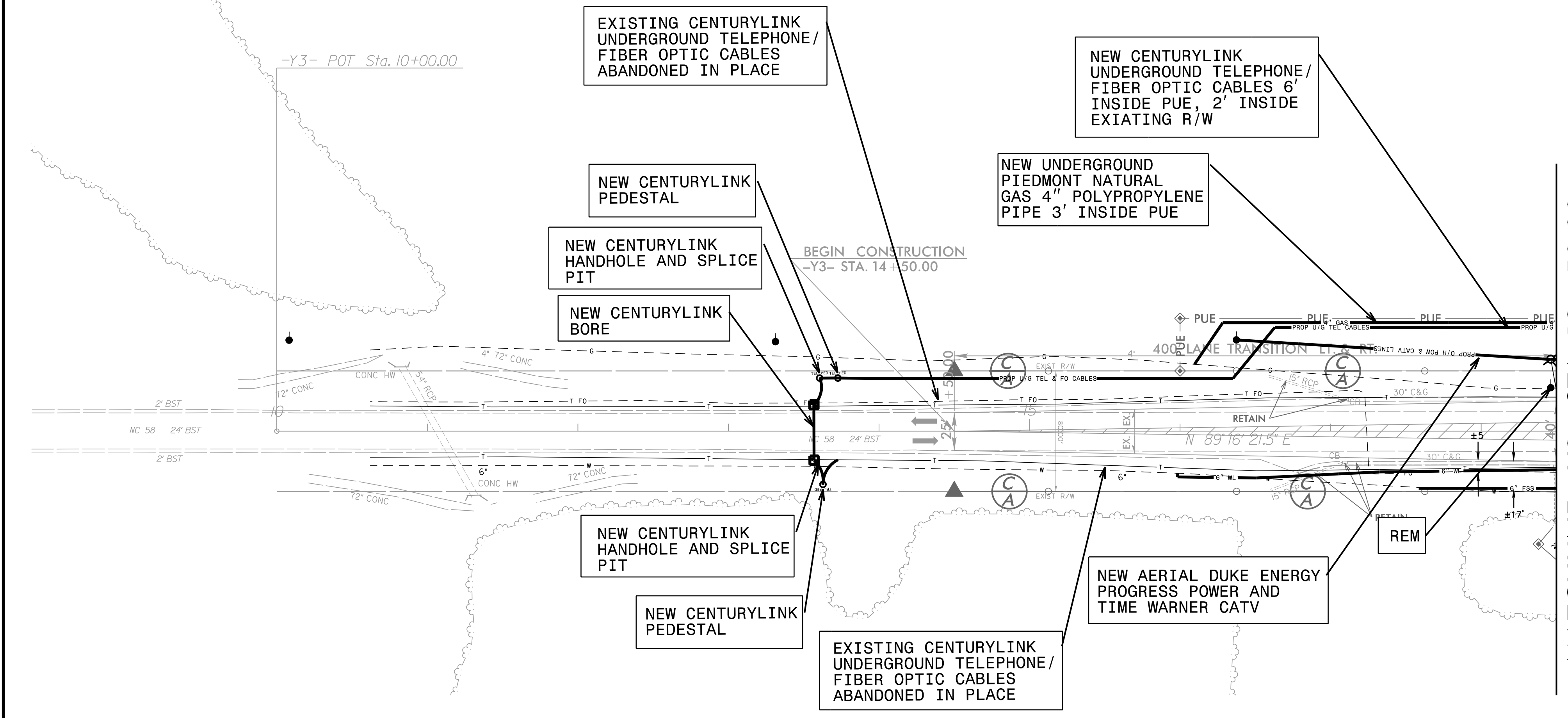
MATCHLINE -Y10- STA. 22+50.00 SEE UO 14

UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.



1
BELL BROTHERS FARM, INC
DB 310 PG 711
DB 180 PG 631
DB 188 PG 256
DB 197 PG 819
DB 282 PG 55
DB 278 PG 898
MB 12 PG 8



MATCHLINE -Y3- STA. 18 + 50.00
SEE UO 2

- NOTE:
1. ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDON IN PLACE. CENTURYLINK WILL BORE AS NOTED TO AVOID CONFLICTS. ALL CENTURYLINK RELOCATIONS ARE 2' INSIDE RW AND/OR PUE UNLESS OTHERWISE NOTED. ALL BORES TO BE 15' UNDER WETLANDS AS WELL AS UNDER -L- LINE. AND PERPENDICULAR TO -L- LINE. BURIED CABLES AND BORES TO CLEAR UNDERCUT AREAS AND DITCH'S BY A MINIMUM OF 3'.
 2. TIME WARNER CABLE ABANDONED IN PLACE UNDERGROUND FACILITIES AS NOTED. TIME WARNER IS IN JOINT USE WITH DUKE ENERGY PROGRESS. TIME WARNER TO SPLICE TO EXISTING SERVICE LINES OUTSIDE OF PROJECT CONSTRUCTION.
 3. WATERLINE AND SANITARY SEWER FORCE MAIN DESIGNED BY McDAVID AND ASSOCIATES.
 4. PIEDMONT NATURAL GAS WILL BORE TO AVOID CONFLICTS WHEN TRENCHING IN, NATURAL GAS LINE WILL BE 3' INSIDE PUE

UTILITY OWNERS ON THIS SHEET

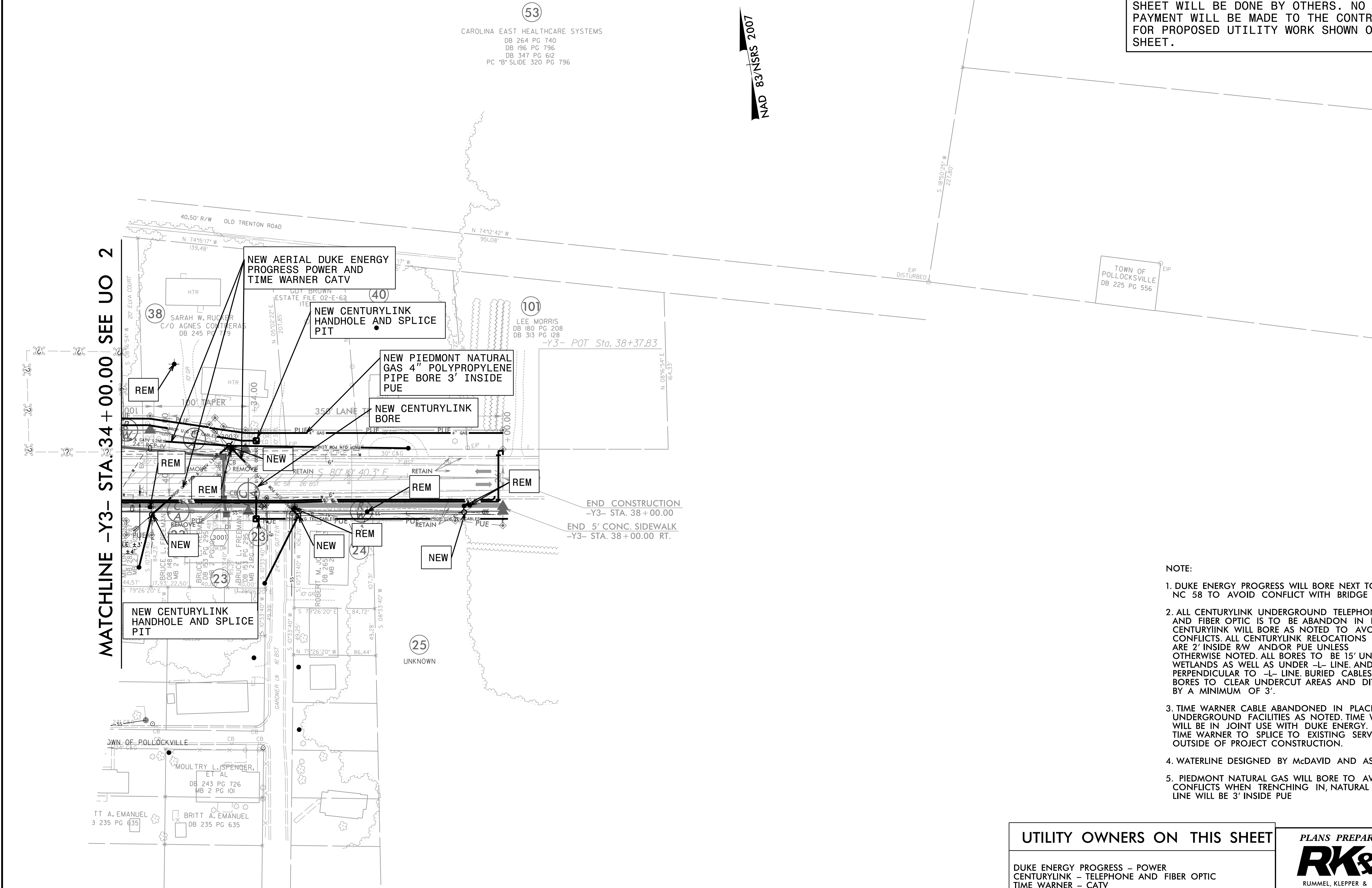
DUKE ENERGY PROGRESS - POWER
CENTURYLINK - TELEPHONE AND FIBER OPTIC
TIME WARNER - CATV
PIEDMONT NATURAL GAS - NATURAL GAS
JONES COUNTY REGIONAL WATER SYSTEMS - WATER AND SANITARY SEWER FORCE MAIN

PLANS PREPARED BY :

RK&K
RUMMEL, KLEPPER & KAHL, LLP
900 RIDGEFIELD DRIVE SUITE 350
RALEIGH, NORTH CAROLINA 27609-3960
NC LICENSE NO. F-0112 • (919) 878-9560

UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.



MATCHLINE -Y3- STA. 34 + 00.00 SEE UO 2

53
CAROLINA EAST HEALTHCARE SYSTEMS
DB 264 PG 740
DB 196 PG 796
DB 347 PG 612
PC "B" SLIDE 320 PG 796

NAD 83/NRSRS 2007

- NOTE:**
1. DUKE ENERGY PROGRESS WILL BORE NEXT TO NC 58 TO AVOID CONFLICT WITH BRIDGE
 2. ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDON IN PLACE. CENTURYLINK WILL BORE AS NOTED TO AVOID CONFLICTS. ALL CENTURYLINK RELOCATIONS ARE 2' INSIDE R/W AND/OR PUE UNLESS OTHERWISE NOTED. ALL BORES TO BE 15' UNDER WETLANDS AS WELL AS UNDER -L- LINE AND PERPENDICULAR TO -L- LINE. BURIED CABLES AND BORES TO CLEAR UNDERCUT AREAS AND DITCH'S BY A MINIMUM OF 3'.
 3. TIME WARNER CABLE ABANDONED IN PLACE UNDERGROUND FACILITIES AS NOTED. TIME WARNER WILL BE IN JOINT USE WITH DUKE ENERGY. TIME WARNER TO SPLICE TO EXISTING SERVICE LINES OUTSIDE OF PROJECT CONSTRUCTION.
 4. WATERLINE DESIGNED BY McDAVID AND ASSOCIATES.
 5. PIEDMONT NATURAL GAS WILL BORE TO AVOID CONFLICTS WHEN TRENCHING IN, NATURAL GAS LINE WILL BE 3' INSIDE PUE

<p>UTILITY OWNERS ON THIS SHEET</p> <p>DUKE ENERGY PROGRESS - POWER CENTURYLINK - TELEPHONE AND FIBER OPTIC TIME WARNER - CATV PIEDMONT NATURAL GAS - NATURAL GAS JONES COUNTY REGIONAL WATER SYSTEMS - WATER</p>	<p>PLANS PREPARED BY :</p> <p>RK&K</p> <p>RUMMEL, KLEPPER & KAHL, LLP 900 RIDGEFIELD DRIVE SUITE 350 RALEIGH, NORTH CAROLINA 27609-3960 NC LICENSE NO. F-0112 • (919) 878-9560</p>
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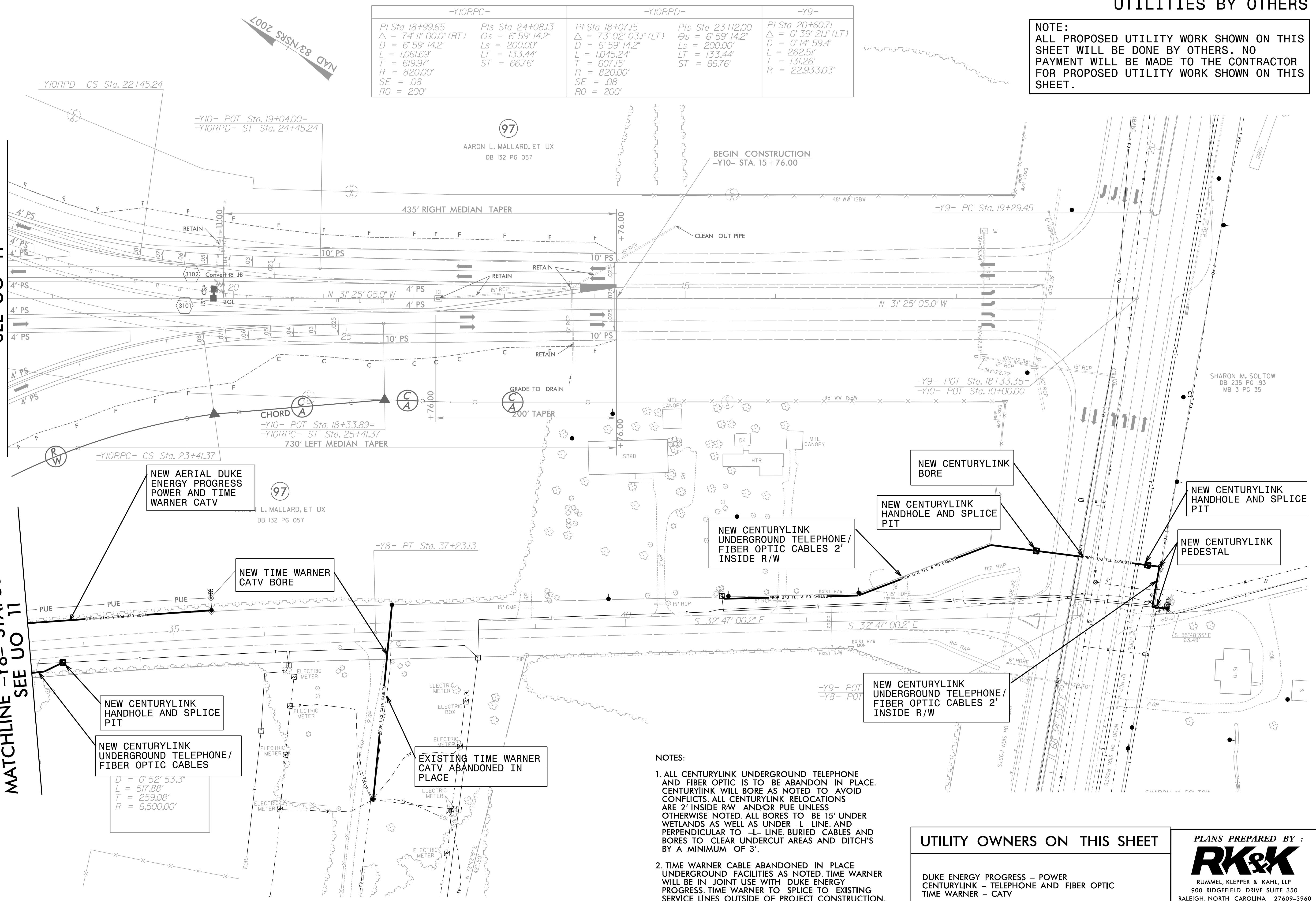
UTILITIES BY OTHERS

NOTE:
 ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

-Y10RPC-		-Y10RPD-		-Y9-	
PI Sta 18+99.65	PIs Sta 24+08.13	PI Sta 18+07.15	PIs Sta 23+12.00	PI Sta 20+60.71	
$\Delta = 74' 11" 00.0"$ (RT)	$\Theta s = 6' 59" 14.2"$	$\Delta = 73' 02' 03.1"$ (LT)	$\Theta s = 6' 59" 14.2"$	$\Delta = 0' 39' 21.1"$ (LT)	
D = 6' 59' 14.2"	Ls = 200.00'	D = 6' 59' 14.2"	Ls = 200.00'	D = 0' 14' 59.4"	
L = 1,061.69'	LT = 133.44'	L = 1,045.24'	LT = 133.44'	L = 262.51'	
T = 619.97'	ST = 66.76'	T = 607.15'	ST = 66.76'	T = 131.26'	
R = 820.00'		R = 820.00'		R = 22,933.03'	
SE = .08		SE = .08			
RO = 200'		RO = 200'			

MATCHLINE -Y10- STA. 22 + 50.00
SEE UO 11

MATCHLINE -Y8- STA. 33 + 40.00
SEE UO 11



- NOTES:**
1. ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDON IN PLACE. CENTURYLINK WILL BORE AS NOTED TO AVOID CONFLICTS. ALL CENTURYLINK RELOCATIONS ARE 2' INSIDE RW AND/OR PUE UNLESS OTHERWISE NOTED. ALL BORES TO BE 15' UNDER WETLANDS AS WELL AS UNDER -L- LINE AND PERPENDICULAR TO -L- LINE. BURIED CABLES AND BORES TO CLEAR UNDERCUT AREAS AND DITCH'S BY A MINIMUM OF 3'.
 2. TIME WARNER CABLE ABANDONED IN PLACE UNDERGROUND FACILITIES AS NOTED. TIME WARNER WILL BE IN JOINT USE WITH DUKE ENERGY PROGRESS. TIME WARNER TO SPLICE TO EXISTING SERVICE LINES OUTSIDE OF PROJECT CONSTRUCTION.

<p>UTILITY OWNERS ON THIS SHEET</p> <p>DUKE ENERGY PROGRESS - POWER CENTURYLINK - TELEPHONE AND FIBER OPTIC TIME WARNER - CATV</p>	<p>PLANS PREPARED BY :</p> <p>RK&K</p> <p>RUMMEL, KLEPPER & KAHL, LLP 900 RIDGEFIELD DRIVE SUITE 350 RALEIGH, NORTH CAROLINA 27609-3960 NC LICENSE NO. F-0112 • (919) 878-9560</p>
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